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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 8.01023 seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-8

Perfect score: 38
Sequence: 1 atcacagatcctccaccatggtgtgcagaccagatgc 38

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	38	100.0	38	1	US-08-478-039-37
2	38	100.0	38	1	US-08-476-349A-37
3	38	100.0	38	3	US-08-803-085-8
4	38	100.0	38	3	US-08-523-894-30
5	25.8	67.9	47	1	US-08-149-099C-4
6	25.8	67.9	47	1	US-08-476-275-8
7	25.8	67.9	47	2	US-08-478-967A-4
8	25.8	67.9	47	4	US-08-475-815B-4
9	25.8	67.9	47	4	US-08-475-813-8
10	24.2	63.7	9209	1	US-08-149-039C-3
11	24.2	63.7	9209	1	US-08-476-275-2
12	24.2	63.7	9209	2	US-08-478-967A-3
13	24.2	63.7	9209	4	US-08-475-815B-3
14	24.2	63.7	9209	4	US-08-475-813-2
15	24.2	63.7	18986	2	US-08-819-866-2
16	24.2	63.7	18986	2	US-09-023-715-2
17	24.2	63.7	18986	4	US-09-343-485A-2
18	24.2	63.2	41	2	US-08-761-277A-66
19	24	63.2	5703	1	US-08-467-420A-50
20	24	63.2	5703	1	US-08-470-110A-50
21	24	63.2	5703	1	US-08-667-769A-50
22	24	63.2	5703	2	US-08-940-371-50
23	24	63.2	5703	2	US-08-637-647-50
24	24	63.2	5703	5	PCT-US95-17082A-50
25	23.8	62.6	37	1	US-08-478-039-38
26	23.8	62.6	37	1	US-08-476-349A-38
27	23.8	62.6	37	3	US-08-523-894-31

28	23.6	62.1	8540	1	US-08-149-099C-2	Sequence 2, Appl
29	23.6	62.1	8540	2	US-08-478-967A-2	Sequence 2, Appl
30	23.6	62.1	8540	4	US-08-475-815B-2	Sequence 2, Appl
31	23.6	62.1	8541	1	US-08-476-275-1	Sequence 1, Appl
32	23.6	62.1	8541	4	US-08-475-813-1	Sequence 1, Appl
33	23.4	61.6	81	5	PCT-US94-07659-9	Sequence 9, Appl
34	23.4	61.6	83	2	US-08-483-636-46	Sequence 46, Appl
35	23.4	61.6	83	2	US-08-483-632-46	Sequence 46, Appl
36	23.4	61.6	84	2	US-08-483-632-47	Sequence 47, Appl
37	23.4	61.6	84	2	US-08-467-420A-36	Sequence 47, Appl
38	23.4	61.6	89	1	US-08-470-110A-36	Sequence 36, Appl
39	23.4	61.6	89	1	US-08-667-769A-36	Sequence 36, Appl
40	23.4	61.6	89	1	US-08-940-371-36	Sequence 36, Appl
41	23.4	61.6	89	2	US-08-637-647-36	Sequence 36, Appl
42	23.4	61.6	89	3	US-08-637-647-36	Sequence 36, Appl
43	23.4	61.6	89	5	PCT-US95-17082A-36	Sequence 36, Appl
44	23.4	61.6	97	5	PCT-US93-08435-44	Sequence 44, Appl
45	23.4	61.6	140	1	US-08-467-420A-57	Sequence 57, Appl

ALIGNMENTS

RESULT 1
US-08-478-039-37
Sequence 37, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-039-37

Query Match 100.0%; Score 38; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38
DB 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38

RESULT 2
US-08-476-349A-37
Sequence 37, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-37

Query Match 100.0%; Score 38; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38
DB 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38

RESULT 3
US-08-803-085-8
Sequence 8, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: Reff, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-8

Query Match 100.0%; Score 38; DB 3; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38
DB 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGTC 38

RESULT 4
US-08-523-894-30
Sequence 30, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.

TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-30
Query Match 100.0%; Score 38; DB 3; Length 38;
Best Local Similarity 100.0%; Pred. NO. 4.66-07; Indels 0; Gaps 0;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCAGTGGTGTGCAGACCCAGGTC 38
DB 1 ATCACAGATCTCTCACCAGTGGTGTGCAGACCCAGGTC 38
RESULT 5
US-08-149-099C-4
Sequence 4, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-4
Query Match 67.9%; Score 25.8; DB 1; Length 47;
Best Local Similarity 81.1%; Pred. NO. 0.062; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCAGTGGTGTGCAGACCCAGGTC 37
DB 1 ATCACAGATCTCTCACCAGTGGTGTGCAGACCCAGGTC 37
RESULT 6
US-08-476-275-8
Sequence 8, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radioabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-08-476-275-8

Query Match 67.9%; Score 25.8; DB 1; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGT 37
Db 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGT 37

RESULT 7
US-08-478-967A-4
Sequence 4, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-4

Query Match 67.9%; Score 25.8; DB 2; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGT 37
Db 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGT 37

RESULT 8
US-08-475-815B-4
Sequence 4, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY WINTHROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-4

Query Match 67.9%; Score 25.8; DB 4; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062; Mismatches 7; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGTGTGCAGACCCAGGT 37
DB 1 ATCACAGATCTCTCACCATGGTGTGCAGGTGAGATTTTTCAGGTGAGAT 37

RESULT 9
US-08-475-813-8
; Sequence 8, Application US/08475813
; Patent No. 6682734
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; APPLICANT: Hanna, Nabil
; APPLICANT: Leonard, John E.
; APPLICANT: Newman, Roland A.
; APPLICANT: Reff, Mitchell E.
; APPLICANT: Rastetter, William H.
; TITLE OF INVENTION: Therapeutic Application of Chimeric and
; TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
; TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,813
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/149,099
; FILING DATE: 03-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,891
; FILING DATE: 13-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-158
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: NO
US-08-475-813-8

Query Match 67.9%; Score 25.8; DB 4; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062; Mismatches 7; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGTGTGCAGACCCAGGT 37
DB 1 ATCACAGATCTCTCACCATGGTGTGCAGGTGAGATTTTTCAGGTGAGAT 37

RESULT 10

US-08-149-099C-3
; Sequence 3, Application US/08149099C
; Patent No. 5736137
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
; APPLICANT: HANNA, Nabil
; APPLICANT: LEONARD, John E.
; APPLICANT: NEWMAN, Roland A.
; APPLICANT: REFF, Mitchell E.
; APPLICANT: RASTETTER, William H.
; TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
; TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/149,099C
; FILING DATE: 03-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,891
; FILING DATE: 12-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-014
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9209 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-149-099C-3

Query Match 63.7%; Score 24.2; DB 1; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95; Mismatches 8; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGTGTGCAGACCCAGGT 37
DB 962 ATCACAGATCTCTCACCATGGTGTGCAGGTGAGATTTTTCAGGTGAGAT 998

RESULT 11

US-08-476-275-2
; Sequence 2, Application US/08476275
; Patent No. 5776456
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; APPLICANT: Hanna, Nabil
; APPLICANT: Leonard, John E.
; APPLICANT: Newman, Roland A.
; APPLICANT: Reff, Mitchell E.
; APPLICANT: Rastetter, William H.

TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: anti-CD20 in TCAE 8
US-08-476-275-2

Query Match 63.7%; Score 24.2; DB 1; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCACGATGTTGACAGCCAGGT 37
DB 962 ATCACAGATCTCTCACCACGATGTTGACAGCCAGGT 998

RESULT 12
US-08-478-967A-3
Sequence 3, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-3

Query Match 63.7%; Score 24.2; DB 2; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCACGATGTTGACAGCCAGGT 37
DB 962 ATCACAGATCTCTCACCACGATGTTGACAGCCAGGT 998

RESULT 13
US-08-475-815B-3
Sequence 3, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY WINTHROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-3

Query Match 63.7%; Score 24.2; DB 4; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCAAGGTGTGCAGACCCAGGT 37
DB 962 ATCACAGATCTCTCCTACTATGATTTTCAGGTGCAGAT 998

RESULT 14
US-08-475-813-2
Sequence 2, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891

FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: anti-CD20 in TCAB 8
US-08-475-813-2

Query Match 63.7%; Score 24.2; DB 4; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCAAGGTGTGCAGACCCAGGT 37
DB 962 ATCACAGATCTCTCCTACTATGATTTTCAGGTGCAGAT 998

RESULT 15
US-08-819-866-2
Sequence 2, Application US/08819866
Patent No. 5830698
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: BARNETT, Richard Spence
APPLICANT: MCLACHLAN, Karen Retta
TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT
TITLE OF INVENTION: SPECIFIC SITES IN MAMMALIAN CELLS VIA HOMOLOGOUS
TITLE OF INVENTION: RECOMBINATION AND VECTORS FOR ACCOMPLISHING THE SAME
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESSES:
ADDRESSSEE: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,866
FILING DATE: 14-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-352
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1896 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-819-866-2

Query Match 63.7%; Score 24.2; DB 2; Length 18986;
 Best Local Similarity 78.4%; Pred. No. 1.1;
 Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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 Db 7994 ATCACAGATCTCTCACTATGATTTTCAGGTGCAGAT 8030

Search completed: August 23, 2004, 00:13:57
 Job time : 9.01023 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 118.685 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-8
Perfect score: 38
Sequence: 1 attcacagatcttcacacatggtgtgcagaccaggctc 38

Scoring table: IDENTITY_NJC
Gapop 10.0 , Gapext 1.0

Searched: 322839 seqs, 245606551 residues
Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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3: /cgn2_6/ptodara/2/pubpna/US06_NEW_PUB.seq:*

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6: /cgn2_6/ptodara/2/pubpna/PTUS_PUBCOMB.seq:*

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8: /cgn2_6/ptodara/2/pubpna/US08_PUBCOMB.seq:*

9: /cgn2_6/ptodara/2/pubpna/US09A_PUBCOMB.seq:*

10: /cgn2_6/ptodara/2/pubpna/US09C_PUBCOMB.seq:*

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12: /cgn2_6/ptodara/2/pubpna/US09_NEW_PUB.seq:*

13: /cgn2_6/ptodara/2/pubpna/US09_NEW_PUB.seq:*

14: /cgn2_6/ptodara/2/pubpna/US10_PUBCOMB.seq:*

15: /cgn2_6/ptodara/2/pubpna/US10_PUBCOMB.seq:*

16: /cgn2_6/ptodara/2/pubpna/US10_PUBCOMB.seq:*

17: /cgn2_6/ptodara/2/pubpna/US10_NEW_PUB.seq:*

18: /cgn2_6/ptodara/2/pubpna/US60_PUBCOMB.seq:*

19: /cgn2_6/ptodara/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	38	100.0	38	9	US-09-850-165-61 Sequence 61, Appl
2	38	100.0	38	10	US-09-019-441-8 Sequence 8, Appl
3	38	100.0	38	15	US-10-103-686-8 Sequence 8, Appl
4	38	100.0	38	15	US-10-211-357-30 Sequence 30, Appl
5	28	73.7	6094	13	US-10-395-894-13 Sequence 13, Appl
6	25.8	67.9	47	9	US-09-911-703-4 Sequence 4, Appl
7	25.8	67.9	47	10	US-09-905-928-8 Sequence 8, Appl
8	25.8	67.9	47	15	US-10-096-964-8 Sequence 8, Appl
9	25.8	67.9	47	15	US-10-238-681-4 Sequence 4, Appl
10	24.4	64.2	96	15	US-10-203-754A-80 Sequence 80, Appl
11	24.2	63.7	9199	10	US-09-911-692-3 Sequence 3, Appl
12	24.2	63.7	9209	9	US-09-911-703-3 Sequence 3, Appl
13	24.2	63.7	9209	10	US-09-905-928-2 Sequence 2, Appl
14	24.2	63.7	9209	13	US-10-411-037-58 Sequence 58, Appl

ALIGNMENTS

RESULT 1
US-09-850-165-61
Sequence 61, Application US/09850165
Patent No. US20020150380A1
GENERAL INFORMATION:
APPLICANT: NEMMAN, ROLAND A.
APPLICANT: HANNA, NABIL
APPLICANT: RAAB, RONALD W.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
PRIOR FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 61
LENGTH: 38
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-61
Query Match 100.0%; Score 38; DB 9; Length 38;
Best Local Similarity 100.0%; Pred. No. 1.2e-06;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	A	T	C	A	G	A	T	C	T	C	A	C	C	A	T	G	T	G	C	A	G	A	C	C	A	G	T	C		38
Db	1	A	T	C	A	G	A	T	C	T	C	A	C	C	A	T	G	T	G	C	A	G	A	C	C	A	G	T	C		38

RESULT 2
US-09-019-441-B

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; GENERAL INFORMATION:
; APPLICANT: REFF, Mitchell E.
; KLOETZER, William S

```

TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL ANTIBODIES AND USE THEREOF AS THERAPEUTICS

NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404

```

;      COUNTRY: United States
;      ZIP: 22313-1404
;      COMPUTER READABLE FORM:
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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; CLASSIFICATION: <Unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/803,085
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NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35, 030
REFERENCE/DOCKET NUMBER: 012712-502

TELEPHONE: (703) 836-0820
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:

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1 MOLECULE TYPE: DNA (genomic)
2
3 TOPOLOGY: linear
4
5 STRANDEDNESS: single
6
7 TYPE: nucleic acid
8
9

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US-09-019-441-B
Query Match      100.0%; Score 38; DB 10; Length 38
Best Local Similarity 100.0%; Pred NO. 1 2e-06;
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oy 1 ATCAGATCTCTCACCATGGTGTTCAGAGCCAGGTC 38
 nb 1 ATCAGATCTCTCTCAACCATGGGTGTTCAGAGCCAGGTC 38

RESULT 3
US-10-103-686-8

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; GENERAL INFORMATION:  
; APPLICANT: REFF, Mitchell E.  
; KLOETZER, William S.
```

1 CORRESPONDENCE ADDRESS:
2 ADDRESSEE: BURNS, DOANE, SWICKER & MATHIS
3 STREET: P.O. Box 1404
4 City: Alexandria
5 STATE: Virginia
6 COUNTRY: United States
7

```

: ZIP: 22313-1404
:
: COMPUTER READABLE FORM:
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:   MEDIUM TYPE: Floppy disk
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:   COMPUTER: IBM PC compatible
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:   OPERATING SYSTEM: PC-DOS/MS-DOS
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:   SOFTWARE: PatentIn Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/103,686
; FILING DATE: 25-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:

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APPLICATION NUMBER: US/08/803, 085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35, 030

REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEO ID NO: 8:

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SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

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1      MOLECULE TYPE: DNA (genomic)
2      SEQUENCE DESCRIPTION: SEQ ID NO: 8:
3      US-10-103-686-8
4
5      Query Match      100.0%   Score 38   DB 15: 1

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Matches 38; Conservative 0; Mismatches 0;

QY 1 ATCAGATCTCTACCATGGTGTGCAACCCAGCT 38

Db 1 ATTCACAGATCTCTCACCATGSGTGTGCAGACCCAGGTC 38

US-10-211-357-30
; Sequence 30, Application US/10211357
; Publication No. US20030077275A1
; GENERAL INFORMATION:
; APPLICANT: Hanna, Nabil
;

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?      Newman, Roland A.
?      Reff, Mitchell E.
?      TITLE OF INVENTION: Recombinant Anti-CD4 Antibody
?      Therapy
?      NUMBER OF SEQUENCES: 59

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?      COUNTRY: USA
?      ZIP: 22314-3187
?      COMPUTER READABLE FORM:
?      MEDIUM TYPE: Floppy disk
?      COMPUTER: IBM PC compatible
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APPLICATION NUMBER: US/09/612,914A
FILING DATE: 10-JUL-2000
APPLICATION NUMBER: US 08/523,894
FILING DATE: 06-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-211-357-30

Query Match
Best Local Similarity 100.0%; Score 38; DB 15; Length 38;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db
1 ATCACAGATCTCTCACCAGTGTGTGGAGACCCAGGTC 38
1 ATCACAGATCTCTCACCAGTGTGTGGAGACCCAGGTC 38

RESULT 5
US-10-395-894-13
Sequence 13, Application US/10395894
Publication No. US20040033229A1
GENERAL INFORMATION:
APPLICANT: MADDOX, Paul J.
APPLICANT: DONOVAN, Gerald P.
APPLICANT: OLSON, William C.
APPLICANT: SCHLKE, No. US20040033229A1
APPLICANT: GARDNER, Jason
APPLICANT: MA, Dangshe
TITLE OF INVENTION: PSMA ANTIBODIES AND PROTEIN MULTIMERS
FILE REFERENCE: P00741, 70005 US
CURRENT APPLICATION NUMBER: US/10/395,894
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: PCT/US02/33944
PRIOR FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: US 60/335,215
PRIOR FILING DATE: 2001-10-23
PRIOR APPLICATION NUMBER: US 60/362,747
PRIOR FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: US 60/412,618
PRIOR FILING DATE: 2002-09-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 6094
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Plasmid
US-10-395-894-13

Query Match
Best Local Similarity 73.7%; Score 28; DB 13; Length 6094;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
11 TCTCACCAGTGTGTGGAGACCCAGGTC 38

Db
910 TCTCACCAGTGTGTGGAGACCCAGGTC 937

RESULT 6
US-09-911-703-4
Sequence 4, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabil
LEONARD, John E.
NEWMAN, Roland A.
REEF, Mitchell E.
RABETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,703
FILING DATE: 25-JUL-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,099
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-911-703-4

Query Match
Best Local Similarity 67.9%; Score 25.8; DB 9; Length 47;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY
1 ATCACAGATCTCTCACCAGTGTGTGGAGACCCAGT 37
1 ATCACAGATCTCTCACCAGTGTGTGGAGACCCAGT 37

Db
1 ATCACAGATCTCTCACCAGTGTGTGGAGACCCAGT 37

RESULT 7
US-09-905-928-8
Sequence 8, Application US/09905928
Publication No. US20030021781A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.

APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Ref, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies for Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigens for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/905,928
FILING DATE: 17-JUL-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-09-905-928-8

Query Match 67.9%; Score 25.8; DB 10; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25; * 7; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7;

Db 1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37
1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37

RESULT 8
US-10-096-964-8
Sequence 8, Application US/10096964
Publication No. US20030082172A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
Hanna, Nabil
Leonard, John E.
Newman, Roland A.
Ref, Mitchell E.
Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and

Radiolabeled Antibodies to Human B Lymphocyte Restricted
Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/096,964
FILING DATE: 14-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-096-964-8

Query Match 67.9%; Score 25.8; DB 15; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25; 7; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7;

Db 1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37
1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37

RESULT 9
US-10-238-681-4
Sequence 4, Application US/10238681
Publication No. US20030147885A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
FILE REFERENCE: 37003/0291808
CURRENT APPLICATION NUMBER: US/10/238,681
CURRENT FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: 08/921,060
PRIOR FILING DATE: 1997-08-29

PRIOR APPLICATION NUMBER: 08/149,099
PRIOR FILING DATE: 1993-11-03/978,891
PRIOR APPLICATION NUMBER: 07/978,891
PRIOR FILING DATE: 1992-11-13
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 47
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-238-681-4

Query Match 67.9%; Score 25.8; DB 15; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCGACAGCCAGGT 37
DB 1 ATCACAGATCTCTCCACCATGGATTTTCAGGTGAGAT 37

RESULT 10
US-10-203-754A-80
Sequence 80, Application US/10203754A
Publication No. US20030157132A1
GENERAL INFORMATION:
APPLICANT: ITAMI, Seima
APPLICANT: SEKI, Makoto
APPLICANT: MATSURA, Yoshiharu
APPLICANT: SHIBUI, Tatsuro
APPLICANT: YOTSUMOTO, Yoshinisa
APPLICANT: MIYAMURA, Tatsuo
TITLE OF INVENTION: Therapeutic Agent for Hepatitis C
FILE REFERENCE: P22257
CURRENT APPLICATION NUMBER: US/10/203,754A
CURRENT FILING DATE: 2002-08-13
PRIOR APPLICATION NUMBER: PCT/JP01/00967
PRIOR FILING DATE: 2001-02-13
NUMBER OF SEQ ID NOS: 81
SOFTWARE: PatentIn version 3.1
SEQ ID NO 80
LENGTH: 96
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: PCR Primer
US-10-203-754A-80

Query Match 64.2%; Score 24.4; DB 15; Length 96;
Best Local Similarity 96.2%; Pred. No. 1.1;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 TCACCATGGTGTTCGACAGCCAGGTC 38
DB 9 TCACCATGGCTTCGACAGCCAGGTC 34

RESULT 11
US-09-911-692-3
Sequence 3, Application US/09911692
Publication No. US20030095963A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabil
LEONARD, John E.
NEWMAN, Roland A.
REFF, Mitchell E.
RASTETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL

LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,692
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-911-692-3

Query Match 63.7%; Score 24.2; DB 10; Length 9199;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCGACAGCCAGGT 37
DB 953 ATCACAGATCTCTCACTATGGATTTTCAGGTGAGAT 988

RESULT 12
US-09-911-703-3
Sequence 3, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabil
LEONARD, John E.
NEWMAN, Roland A.
REFF, Mitchell E.
RASTETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,703
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,099
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-911-703-3

Query Match      63.7%; Score 24.2; DB 9; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Cy 1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37
Db 962 ATCACAGATCTCTCAGATGATTTTCAGGTGACAGT 998

RESULT 13
US-09-905-928-2
Sequence 2, Application US/09905928
Publication No. US20030021781A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
APPLICANT: Rasetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabelled Antibodies to Human B lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the treatment of B-Cell lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/905,928
FILING DATE: 17-Jul-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,813
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FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: anti-CD20 in TCAE 8
US-09-905-928-2

Query Match      63.7%; Score 24.2; DB 10; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Cy 1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37
Db 962 ATCACAGATCTCTCAGATGATTTTCAGGTGACAGT 998

RESULT 14
US-10-411-037-58
Sequence 58, Application US/10411037
Publication No. US20040043446A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA
TITLE OF INVENTION: GALACTOSIDASE A
FILE REFERENCE: 040853-01-5082
CURRENT APPLICATION NUMBER: US/10/411,037
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin version 3.2
SEQ ID NO 58
LENGTH: 9209
TYPE: DNA
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; ORGANISM: Mus musculus
US-10-411-037-58

Query Match 63.7%; Score 24.2; DB 13; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTACCATGSGTGTGACAGCCAGGT 37
DB 962 ATCACAGATCTCTACCATGSGTGTGACAGCCAGGT 998

RESULT 15

US-10-411-026-58
; Sequence 58, Application US/10411026
; Publication No. US20040063911A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
; FILE REFERENCE: 040853-01-5053
; CURRENT APPLICATION NUMBER: US/10/411,026
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 58
; LENGTH: 9209
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-411-026-58

Query Match 63.7%; Score 24.2; DB 13; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTACCATGSGTGTGACAGCCAGGT 37
DB 962 ATCACAGATCTCTACCATGSGTGTGACAGCCAGGT 998

Search completed: August 23, 2004, 09:17:36
Job time : 119.685 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 7.37784 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-7

Perfect score: 35
Sequence: 1 atcaagatctctcaccatggatcccccagckcag 35

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents_NA:
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	94.3	35	3	US-08-803-085-7 ✓
2	31.8	90.9	37	1	US-08-478-039-38
3	31.8	90.9	37	1	US-08-476-349A-38
4	31.8	90.9	37	3	US-08-523-89A-31
5	26.2	74.9	8540	1	US-08-149-099C-2
6	26.2	74.9	8540	2	US-08-478-967A-2
7	26.2	74.9	8540	4	US-08-475-815B-2
8	26.2	74.9	8541	4	US-08-476-275-1
9	26.2	74.9	8541	4	US-08-475-813-1
10	25	71.4	35	3	US-08-803-085-6
11	23.8	66.0	41	1	US-08-478-038-40
12	23.8	66.0	41	1	US-08-476-349A-40
13	23.8	66.0	41	3	US-08-523-89A-33
14	23.4	66.9	47	1	US-08-149-099C-4
15	23.4	66.9	47	1	US-08-476-275-8
16	23.4	66.9	47	2	US-08-478-967A-4
17	23.4	66.9	47	4	US-08-475-815B-4
18	23.4	66.9	47	4	US-08-475-813-8
19	22	62.9	41	1	US-08-478-039-39
20	22	62.9	41	3	US-08-476-349A-39
21	22	62.9	41	3	US-08-803-085-5
22	22	62.9	41	3	US-08-523-89A-32
23	22	62.9	19040	4	US-09-343-485A-3
24	21.8	62.3	9209	1	US-08-149-099C-3
25	21.8	62.3	9209	1	US-08-476-275-2
26	21.8	62.3	9209	2	US-08-478-967A-3
27	21.8	62.3	9209	4	US-08-475-815B-3

28	21.8	62.3	9209	4	US-08-475-813-2	Sequence 2, Appl 1
29	21.8	62.3	18986	2	US-08-819-866-2	Sequence 2, Appl 1
30	21.8	62.3	18986	2	US-09-023-715-2	Sequence 2, Appl 1
31	21.8	62.3	18986	4	US-09-343-485A-2	Sequence 2, Appl 1
32	21.2	60.6	42	2	US-08-761-277A-65	Sequence 65, Appl 1
33	21.2	60.6	45	4	US-09-472-087-109	Sequence 109, Appl 1
34	21.2	60.6	47	1	US-08-253-877C-52	Sequence 52, Appl 1
35	21.2	60.6	47	2	US-08-452-164A-52	Sequence 52, Appl 1
36	21.2	60.6	47	3	US-08-569-147-33	Sequence 33, Appl 1
37	21.2	60.6	47	4	US-08-976-183A-28	Sequence 28, Appl 1
38	21	60.0	34	3	US-08-803-085-11	Sequence 11, Appl 1
39	21	60.0	35	3	US-08-803-085-12	Sequence 12, Appl 1
40	21	60.0	38	1	US-08-478-039-37	Sequence 37, Appl 1
41	21	60.0	38	1	US-08-476-349A-37	Sequence 37, Appl 1
42	21	60.0	38	3	US-08-803-085-8	Sequence 8, Appl 1
43	21	60.0	38	3	US-08-523-89A-30	Sequence 30, Appl 1
44	21	60.0	39	1	US-08-478-039-41	Sequence 41, Appl 1
45	21	60.0	39	1	US-08-478-039-42	Sequence 42, Appl 1

ALIGNMENTS

RESULT 1
US-08-803-085-7
Sequence 7, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BYRNS, DOANE, SWECKER & MATIIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 24
OTHER INFORMATION: /note= "Nucleotide 24 is N wherein
OTHER INFORMATION: N = A/G."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 32
OTHER INFORMATION: /note= "Nucleotide 32 is N wherein

OTHER INFORMATION: N = T/G."

US-08-803-085-7
Query Match 94.3%; Score 33; DB 3; Length 35;
Best Local Similarity 94.3%; Pred. No. 58-05;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35
DB 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35

RESULT 2

US-08-478-039-38
Sequence 38, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raad, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-38

Query Match 90.9%; Score 31.8; DB 1; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.00016;

Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35
DB 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35

RESULT 3

US-08-476-349A-38
Sequence 38, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raad, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-38

Query Match 90.9%; Score 31.8; DB 1; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.00016;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35
DB 1 ATCAGAGATCTCTCACCATTGGAARCCCGCAGCKCAG 35

RESULT 4
US-08-523-894-31
Sequence 31, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
APPLICANT: Newman, Roland A.
APPLICANT: Reif, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-31

Query Match 90.9%; Score 31.8; DB 3; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.00016;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35
DB 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35

RESULT 5
US-08-149-099C-2
Sequence 2, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabli
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REIF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-2

Query Match 74.9%; Score 26.2; DB 1; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35
DB 962 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 996

RESULT 6
US-08-478-967A-2
Sequence 2, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabli
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REIF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
US-08-478-967A-2

Query Match 74.9%; Score 26.2; DB 2; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTGAGARCCCGACGCKGAG 35
Db 962 ATCACAGATCTCTCACCATTGAGGAGTCCCGCTCAG 996

RESULT 7
US-08-475-815B-2
Sequence 2, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REEF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY WINTHROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-2

Query Match 74.9%; Score 26.2; DB 4; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTGAGARCCCGACGCKGAG 35
Db 962 ATCACAGATCTCTCACCATTGAGGAGTCCCGCTCAG 996

RESULT 8
US-08-476-275-1
Sequence 1, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reef, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-476-275-1

Query Match 74.9%; Score 26.2; DB 1; Length 8541;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCKAG 35
962 ATCACAGATCTCTCACCATTGAGGCTCCCGCTCAG 996

RESULT 9
US-08-475-813-1
Sequence 1, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabli
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
NUMBER OF INVENTIONS: 1
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO

ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-475-813-1

Query Match 74.9%; Score 26.2; DB 4; Length 8541;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCKAG 35
962 ATCACAGATCTCTCACCATTGAGGCTCCCGCTCAG 996

RESULT 10
US-08-803-085-6
Sequence 6, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-6

Query Match 71.4%; Score 25; DB 3; Length 35;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 28; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCKAG 35
1 ATCACAGATCTCTCACCATTGAGGCTCCCGCTCAG 35

RESULT 11
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabli

APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-40
Query Match 68.0%; Score 23.8; DB 1; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATTGGAACCCGAGC 33
DB 1 ATCACAGATCTCTCACCATTGGAACVAGGCCCC 33
RESULT 12
US-08-476-349A-40
Sequence 40, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
ADDRESSEE: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-40
Query Match 68.0%; Score 23.8; DB 1; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATTGGAACCCGAGC 33
DB 1 ATCACAGATCTCTCACCATTGGAACVAGGCCCC 33
RESULT 13
US-08-523-894-33
Sequence 33, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
ADDRESSEE: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA

ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-33

Query Match 68.0%; Score 23.8; DB 3; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGGAGCCGCGC 33
Db 1 ATCACAGATCTCTCACCATGGAGCCGCGC 33

RESULT 14
US-08-149-099C-4
Sequence 4, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P. O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-4

Query Match 66.9%; Score 23.4; DB 1; Length 47;
Best Local Similarity 77.1%; Pred. No. 0.54;
Matches 27; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGGAGCCGCGCAG 35
Db 1 ATCACAGATCTCTCACCATGGAGTTTTCAGTGCAG 35

RESULT 15
US-08-476-275-8
Sequence 8, Application US/08476275
Patent No. 578456

GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 47 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; ANTI-SENSE: NO
 US-08-476-275-8

Query Match 66.9%; Score 23.4; DB 1; Length 47;
 Best Local Similarity 77.1%; Pred. No. 0.54;
 Matches 27; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCAGAGATCTCTCACCACATGGAARCCCGCAG 35
 |||||
 Db 1 ATCAGAGATCTCTCACCACATGGAATTTCAAGTGCAG 35

Search completed: August 23, 2004, 00:13:56
 Job time : 8.37784 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 7.37784 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-6

Perfect score: 35
Sequence: 1 atcacagatctctcacatgaggtccctctcag 35

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCFUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	35	100.0	35 3	US-08-803-085-6
2	31.8	90.9	8540 1	US-08-149-098C-2
3	31.8	90.9	8540 2	US-08-478-967A-2
4	31.8	90.9	8540 4	US-08-475-815B-2
5	31.8	90.9	8541 1	US-08-476-275-1
6	31.8	90.9	8541 4	US-08-476-813-1
7	29	82.9	37 1	US-08-478-039-38
8	29	82.9	37 1	US-08-476-349A-38
9	29	82.9	37 3	US-08-523-894-31
10	25	71.4	35 3	US-08-803-085-6
11	23.4	66.9	594 3	US-09-385-988-397
12	22.2	63.4	38 1	US-08-478-039-37
13	22.2	63.4	38 1	US-08-476-349A-37
14	22.2	63.4	38 3	US-08-803-085-6
15	22.2	63.4	38 3	US-08-523-894-30
16	22	62.9	40 2	US-08-761-277A-64
17	21.8	62.3	39 1	US-08-379-072A-18
18	21.8	62.3	39 1	US-08-478-039-43
19	21.8	62.3	39 1	US-08-481-869-18
20	21.8	62.3	39 1	US-08-476-349A-43
21	21.8	62.3	39 3	US-08-476-237-14
22	21.8	62.3	39 3	US-08-523-894-36
23	21	60.0	38 1	US-08-478-039-45
24	21	60.0	38 1	US-08-476-349A-45
25	20.6	58.9	38 3	US-08-523-894-38
26	20.6	58.9	47 1	US-08-149-099C-4
27	20.6	58.9	47 1	US-08-476-275-8

28	20.6	58.9	47 2	US-08-478-967A-4	Sequence 4, Appli
29	20.6	58.9	47 4	US-08-475-815B-4	Sequence 4, Appli
30	20.6	58.9	47 4	US-08-475-813-8	Sequence 8, Appli
31	20.2	57.7	39 1	US-08-478-039-44	Sequence 44, Appli
32	20.2	57.7	39 1	US-08-476-349A-44	Sequence 44, Appli
33	20.2	57.7	39 3	US-08-523-894-37	Sequence 37, Appli
34	20	57.1	34 3	US-08-803-085-10	Sequence 10, Appli
35	20	57.1	34 3	US-08-803-085-11	Sequence 11, Appli
36	20	57.1	35 3	US-08-803-085-12	Sequence 12, Appli
37	20	57.1	39 1	US-08-478-039-41	Sequence 41, Appli
38	20	57.1	39 1	US-08-478-039-42	Sequence 42, Appli
39	20	57.1	39 1	US-08-476-349A-41	Sequence 41, Appli
40	20	57.1	39 1	US-08-476-349A-42	Sequence 42, Appli
41	20	57.1	39 3	US-08-523-894-34	Sequence 34, Appli
42	20	57.1	39 3	US-08-523-894-35	Sequence 35, Appli
43	20	57.1	41 1	US-08-478-039-39	Sequence 39, Appli
44	20	57.1	41 1	US-08-478-039-40	Sequence 40, Appli
45	20	57.1	41 1	US-08-476-349A-39	Sequence 39, Appli

ALIGNMENTS

RESULT 1
US-08-803-085-6
Sequence 6, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803, 085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35, 030
REFERENCE/DOCKET NUMBER: 012712-353
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-6
Query Match 100.0%; Score 35; DB 3; Length 35;
Best Local Similarity 100.0%; Pred. No. 3 6e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 2
US-08-149-099C-2
Sequence 2, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-2

Query Match 90.9%; Score 31.8; DB 1; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 3
US-08-478-967A-2
Sequence 2, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.

APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-2

Query Match 90.9%; Score 31.8; DB 2; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 4
US-08-475-815B-2
Sequence 2, Application US/08475815B
Patent No. 639061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY WINTHROP

STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-2

Query Match 90.9%; Score 31.8; DB 4; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 5
US-08-476-275-1
Sequence 1, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
STATE: Alexandria
CITY: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-476-275-1

Query Match 90.9%; Score 31.8; DB 1; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 6
US-08-475-813-1
Sequence 1, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
STATE: Alexandria
CITY: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAE 8
US-08-475-813-1

Query Match 90.9%; Score 31.8; DB 4; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 7
US-08-478-039-38
Sequence 38, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-38

Query Match 82.9%; Score 29; DB 1; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 8
US-08-476-349A-38
Sequence 38, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-38

Query Match 82.9%; Score 29; DB 1; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 9
US-08-523-894-31
Sequence 31, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-31

Query Match 82.9%; Score 29; DB 3; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 10
US-08-803-085-7
Sequence 7, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 24
OTHER INFORMATION: /note= "Nucleotide 24 is N wherein
OTHER INFORMATION: N = A/G."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 32
OTHER INFORMATION: /note= "Nucleotide 32 is N wherein
OTHER INFORMATION: N = T/G."
US-08-803-085-7

Query Match 71.4%; Score 25; DB 3; Length 35;
Best Local Similarity 80.0%; Pred. No. 0.068;
Matches 28; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 11
US-09-385-982-397
Sequence 397, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION

;; TITLE OF INVENTION: PRODUCTS: II
;; FILE REFERENCE: CCDNA-260XX
;; CURRENT APPLICATION NUMBER: US/09/385,992
;; CURRENT FILING DATE: 1999-08-30
;; EARLIER APPLICATION NUMBER: 09/328,111
;; EARLIER FILING DATE: 1999-06-08
;; EARLIER APPLICATION NUMBER: 60/117,393
;; EARLIER FILING DATE: 1999-01-27
;; EARLIER APPLICATION NUMBER: 60/098,639
;; EARLIER FILING DATE: 1998-08-31
;; NUMBER OF SEQ ID NOS: 544
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 397
;; LENGTH: 594
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(594)
;; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-397

Query Match 66.9%; Score 23.4; DB 3; Length 594;
Best Local Similarity 96.0%; Pred. No. 0.54;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 11 TCTCACCATGAGGCTCCCTGCTCAG 35
DB 32 TCTCACCATGAGGCTCCCTGCTCAG 56

RESULT 12
US-08-478-039-37
; Sequence 37, Application US/08478039
; Patent No. 5681722
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,039
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-160

;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-836-6620
;; TELEFAX: 703-836-2021
;; INFORMATION FOR SEQ ID NO: 37:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 38 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens or Monkey
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-37

Query Match 63.4%; Score 22.2; DB 1; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCAGATCTCTCACCATGAGGCTCTTGCAGACCCAG 35

RESULT 13
US-08-476-349A-37
; Sequence 37, Application US/08476349A
; Patent No. 5750105
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,349A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-161
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:

LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-37

Query Match 63.4%; Score 22.2; DB 1; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCAGAGGCTGTTGACAGCCAG 35

RESULT 14
US-08-803-085-8
Sequence 8, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-8

Query Match 63.4%; Score 22.2; DB 3; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCAGAGGCTGTTGACAGCCAG 35

RESULT 15
US-08-523-894-30
Sequence 30, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-30

Query Match 63.4%; Score 22.2; DB 3; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCAGAGGCTGTTGACAGCCAG 35

Search completed: August 23, 2004, 00:13:55
Job time : 7.37784 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 109.315 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-7

Perfect score: 35

Sequence: 1 atccacgattctcaccatggaacccagcag 35

Scoring table:

IDENTITY_NUC

Searched: 3228839 seqs, 245606651 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: /published/Applications_NA:*
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3: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
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18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34.2	97.7	9568	13	US-10-147-849-16
2	33	94.3	35	10	US-09-019-441-7
3	33	94.3	35	15	US-10-103-686-7
4	31.8	90.9	37	9	US-09-850-165-62
5	31.8	90.9	37	15	US-10-211-357-31
6	26.2	74.9	8530	10	US-09-911-692-2
7	26.2	74.9	8540	9	US-09-911-703-2
8	26.2	74.9	8540	13	US-10-411-037-57
9	26.2	74.9	8540	13	US-10-411-026-57
10	26.2	74.9	8540	15	US-10-238-681-2
11	26.2	74.9	8540	17	US-10-410-962-57
12	26.2	74.9	8540	17	US-10-411-049-57
13	26.2	74.9	8540	17	US-10-410-930-57
14	26.2	74.9	8540	17	US-10-410-997-57

ALIGNMENTS

15	26.2	74.9	8540	17	US-10-411-012-57	Sequence 57, Appl
16	26.2	74.9	8540	17	US-10-287-994-57	Sequence 57, Appl
17	26.2	74.9	8540	17	US-10-410-913-57	Sequence 57, Appl
18	26.2	74.9	8541	10	US-09-905-828-1	Sequence 1, Appl
19	26.2	74.9	8541	15	US-10-096-964-1	Sequence 1, Appl
20	25	71.4	35	15	US-09-019-441-6	Sequence 6, Appl
21	25	71.4	35	15	US-10-103-686-6	Sequence 6, Appl
22	24	68.6	57	15	US-10-173-551-63	Sequence 63, Appl
23	23.8	68.0	41	9	US-09-850-165-64	Sequence 64, Appl
24	23.8	68.0	41	15	US-10-211-357-33	Sequence 33, Appl
25	23.4	66.9	47	9	US-09-911-703-4	Sequence 4, Appl
26	23.4	66.9	47	10	US-09-905-928-8	Sequence 8, Appl
27	23.4	66.9	47	15	US-10-096-964-8	Sequence 8, Appl
28	23.4	66.9	47	15	US-10-238-681-4	Sequence 4, Appl
29	22.8	65.1	10236	9	US-09-764-853-678	Sequence 878, App
30	22.8	65.1	10236	15	US-10-091-438-242	Sequence 242, App
31	22.8	65.1	10236	15	US-10-091-438-282	Sequence 282, App
32	22.8	65.1	207433	16	US-10-277-216-5	Sequence 5, Appl
33	22.8	65.1	207433	17	US-10-126-022-5	Sequence 5, Appl
34	22	62.9	41	9	US-09-850-165-63	Sequence 63, Appl
35	22	62.9	41	10	US-09-019-441-5	Sequence 5, Appl
36	22	62.9	41	15	US-10-103-686-5	Sequence 5, Appl
37	22	62.9	41	15	US-10-211-357-32	Sequence 32, Appl
38	22	62.9	3548	15	US-10-295-823-3	Sequence 3, Appl
39	22	62.9	12017	13	US-09-973-478-933	Sequence 933, App
40	21.8	62.3	434	13	US-10-240-425-319	Sequence 319, Appl
41	21.8	62.3	9199	10	US-09-911-692-3	Sequence 3, Appl
42	21.8	62.3	9209	9	US-09-911-703-3	Sequence 2, Appl
43	21.8	62.3	9209	13	US-09-905-928-2	Sequence 58, Appl
44	21.8	62.3	9209	13	US-10-411-037-58	Sequence 58, Appl
45	21.8	62.3	9209	13	US-10-411-026-58	Sequence 58, Appl

RESULT 1
US-10-147-849-16
Sequence 16, Application US/10147849
GENERAL INFORMATION:
Publication No. US20030190319A1
APPLICANT: Adolf, Gunther
APPLICANT: Ostermann, Elinborg
APPLICANT: Patzelt, Erik
APPLICANT: Spiro, Marlies
APPLICANT: Heider, Karl-Heinz
APPLICANT: Miglietta, John
TITLE OF INVENTION: Antibodies specific for CD44v6
FILE REFERENCE: 1011.221002
CURRENT APPLICATION NUMBER: US/10/147,849
PRIOR FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: US 60/325147
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US 60/323075
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: EP 01112237.1
PRIOR FILING DATE: 2001-05-18
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16
LENGTH: 9568
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:humanized
OTHER INFORMATION: antibody sequence
US-10-147-849-16

Query Match 97.7%; Score 34.2; DB 13; Length 9568;
Best Local Similarity 94.3%; Pred. No. 0.00015;
Matches 33; Conservative 2; Mismatches 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
DB 1817 ATCACAGATCTCTCACCATGGAARCCCGACGCTCAG 1851

RESULT 2

US-09-019-441-7

; Sequence 7, Application US/09019441

; Publication No. US20030086921A1

; GENERAL INFORMATION:

; APPLICANT: REEF, Mitchell E.

; KLOETZER, William S.

; NAKAMURA, Takehiko

; TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL

; ANTIBODIES AND USE THEREOF AS THERAPEUTICS

; NUMBER OF SEQUENCES: 35

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP

; STREET: P.O. Box 1404

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: United States

; ZIP: 22313-1404

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/019,441

; FILING DATE: 05-Feb-1998

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/803,085

; FILING DATE: 20-FEB-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Teskin, Robin L.

; REGISTRATION NUMBER: 35,030

; REFERENCE/DOCKET NUMBER: 012712-502

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 836-6620

; TELEFAX: (703) 836-2021

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 35 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 24

; OTHER INFORMATION: /note= "Nucleotide 24 is N wherein

; N = A/G."

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 32

; OTHER INFORMATION: /note= "Nucleotide 32 is N wherein

; N = T/G."

; SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-09-019-441-7

Query Match

Best Local Similarity 94.3%; Score 33; DB 10; Length 35;

Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35

DB 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35

RESULT 3

US-10-103-686-7

; Sequence 7, Application US/10103686

; Publication No. US20030059424A1

; GENERAL INFORMATION:

; APPLICANT: REEF, Mitchell E.

; KLOETZER, William S.

; NAKAMURA, Takehiko

; TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL

; ANTIBODIES AND USE THEREOF AS THERAPEUTICS

; NUMBER OF SEQUENCES: 35

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

; STREET: P.O. Box 1404

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: United States

; ZIP: 22313-1404

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/103,686

; FILING DATE: 25-Mar-2002

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/803,085

; FILING DATE: 20-FEB-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Teskin, Robin L.

; REGISTRATION NUMBER: 35,030

; REFERENCE/DOCKET NUMBER: 012712-353

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 836-6620

; TELEFAX: (703) 836-2021

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 35 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 24

; OTHER INFORMATION: /note= "Nucleotide 24 is N wherein

; N = A/G."

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 32

; OTHER INFORMATION: /note= "Nucleotide 32 is N wherein

; N = T/G."

; SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-10-103-686-7

Query Match

Best Local Similarity 94.3%; Score 33; DB 15; Length 35;

Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35

DB 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35

RESULT 4

US-09-850-165-62

; Sequence 62, Application US/09850165

; Patent No. US20020150580A1

; GENERAL INFORMATION:

; APPLICANT: NEWMAN, ROLAND A.

; APPLICANT: HANNA, NABIL

; APPLICANT: RAAB, RONALD W.

; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY

FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 62
LENGTH: 37
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-62
Query Match 90.9%; Score 31.8; DB 9; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.0012; 1; Indels 0; Gaps 0;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATCACAGATCTCTCACCATGGARCCCGCKCAG 35
Db 1 ATCACAGATCTCTCACCATGGARCCCGCKCAG 35
RESULT 5
US-10-211-357-31
Sequence 31, Application US/10211357
Publication No. US2003007275A1
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
Newman, Roland A.
Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/211,357
FILING DATE: 05-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/612,914A
FILING DATE: 10-Jul-2000
APPLICATION NUMBER: US 08/523,894
FILING DATE: 06-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-10-211-357-31
Query Match 90.9%; Score 31.8; DB 15; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.0012; 1; Indels 0; Gaps 0;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATCACAGATCTCTCACCATGGARCCCGCKCAG 35
Db 1 ATCACAGATCTCTCACCATGGARCCCGCKCAG 35
RESULT 6
US-09-911-692-2
Sequence 2, Application US/09911692
Publication No. US20030095963A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabli
LEONARD, John E.
NEWMAN, Roland A.
REFF, Mitchell E.
RASTETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,692
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO

ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2
US-09-911-692-2

Query Match 74.9%; Score 26.2; DB 10; Length 8530;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGGAARCCCGACGCKAG 35
Db 952 ATCAGATCTCTCACCATGAGGTCGCCGCTCAG 986

RESULT 7

US-09-911-703-2
Sequence 2, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.

HANNA, Nabil
LEONARD, John E.
NEWMAN, Roland A.
REFE, Mitchell E.
RABETTER, William H.

THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIO LABELED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: P.O. Box 1404

CITY: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/911,703

FILING DATE: 25-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/149,099

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Rodin L.

REGISTRATION NUMBER: 35,030

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 8540 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOHETICAL: NO

ANTI-SENSE: NO

US-09-911-703-2

Query Match 74.9%; Score 26.2; DB 9; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGGAARCCCGACGCKAG 35
||||| : ||| : |||

Db 962 ATCAGATCTCTCACCATGAGGTCGCCGCTCAG 996

RESULT 8

US-10-411-037-57

Sequence 57, Application US/10411037
Publication No. US2004004346A1
GENERAL INFORMATION:

APPLICANT: Neose Technologies, Inc.

APPLICANT: Defrees, Shawn

APPLICANT: Zopf, David

APPLICANT: Bayer, Robert

APPLICANT: Hakes, David

APPLICANT: Chen, Xi

APPLICANT: Bowe, Caryn

TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA

FILE REFERENCE: 040853-01-5082

CURRENT APPLICATION NUMBER: US/10/411,037

CURRENT FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/344,692

PRIOR FILING DATE: 2001-10-19

PRIOR APPLICATION NUMBER: US 60/387,292

PRIOR FILING DATE: 2002-06-07

PRIOR APPLICATION NUMBER: US 60/391,777

PRIOR FILING DATE: 2002-06-25

PRIOR APPLICATION NUMBER: US 60/396,594

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/404,249

PRIOR FILING DATE: 2002-08-16

PRIOR APPLICATION NUMBER: US 60/407,527

PRIOR FILING DATE: 2002-08-28

NUMBER OF SEQ ID NOS: 75

SOFTWARE: Patent version 3.2

SEQ ID NO 57

LENGTH: 8540

TYPE: DNA

ORGANISM: Homo sapiens

US-10-411-037-57

Query Match 74.9%; Score 26.2; DB 13; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGGAARCCCGACGCKAG 35
Db 962 ATCAGATCTCTCACCATGAGGTCGCCGCTCAG 996
||||| : ||| : |||

RESULT 9

US-10-411-026-57

Sequence 57, Application US/10411026
Publication No. US20040063911A1
GENERAL INFORMATION:

APPLICANT: Neose Technologies, Inc.

APPLICANT: Defrees, Shawn

APPLICANT: Zopf, David

APPLICANT: Bayer, Robert

APPLICANT: Hakes, David

APPLICANT: Chen, Xi

TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE

FILE REFERENCE: 040853-01-5053

CURRENT APPLICATION NUMBER: US/10/411,026

CURRENT FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/344,692

PRIOR FILING DATE: 2001-10-19

PRIOR APPLICATION NUMBER: US 60/387,292

PRIOR FILING DATE: 2002-06-07


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; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-411-026-57
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Query Match          74.9%; Score 26.2; DB 13; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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QY      1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
        |||||
Db      962 ATCACAGATCTCTCACCATGAGGTCCTCCGCTCAG 996
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RESULT 10
US-10-238-681-2
; Sequence 2, Application US/10238681
; Publication No. US20030147885A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, DARRELL R.
; APPLICANT: HANNA, NABIL
; APPLICANT: LEONARD, JOHN E.
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: REEF, MITCHELL E.
; APPLICANT: RASTETTER, WILLIAM H.
; TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
; TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
; TITLE OF INVENTION: LYMPHOMA
; FILE REFERENCE: 37003/0291808
; CURRENT APPLICATION NUMBER: US/10/238,681
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 08/921,060
; PRIOR FILING DATE: 1997-08-29
; PRIOR APPLICATION NUMBER: 08/149,099
; PRIOR FILING DATE: 1993-11-03
; PRIOR APPLICATION NUMBER: 07/978,891
; PRIOR FILING DATE: 1992-11-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-238-681-2
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Query Match          74.9%; Score 26.2; DB 15; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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QY      1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
        |||||
Db      962 ATCACAGATCTCTCACCATGAGGTCCTCCGCTCAG 996
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RESULT 11
US-10-410-962-57
; Sequence 57, Application US/10410962
; Publication No. US20040077836A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Deftrees, Shawn
```

```

; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Gary
; TITLE OF INVENTION: GLYCOCONJUGATION OF G-CSF
; TITLE OF INVENTION: GRANULOCYTE COLONY STIMULATING FACTOR: REMODELING AND
; FILE REFERENCE: 040853-01-5054
; CURRENT APPLICATION NUMBER: US/10/410,962
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-962-57
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Query Match          74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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QY      1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
        |||||
Db      962 ATCACAGATCTCTCACCATGAGGTCCTCCGCTCAG 996
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RESULT 12
US-10-411-049-57
; Sequence 57, Application US/10411049
; Publication No. US20040082026A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Deftrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Gary
; TITLE OF INVENTION: INTERFERON ALPHA: REMODELING AND GLYCOCONJUGATION OF INTERFERON
; TITLE OF INVENTION: ALPHA
; FILE REFERENCE: 040853-01-5055
; CURRENT APPLICATION NUMBER: US/10/411,049
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-411-049-57

```

```

Query Match      74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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```

CY      1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCAG 35
Db      962 ATCACAGATCTCTCACCATTGAGGATCCCGCTCAG 996

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RESULT 13
; Sequence 57, Application US/10410930
; Publication No. US20040115168A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: INTERFERON BETA: REMODELING AND GLYCOCONTUGATION OF INTERFERON
; FILE REFERENCE: 040853-01-5056
; CURRENT APPLICATION NUMBER: US/10/410,930
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-930-57

```

```

Query Match      74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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```

CY      1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCAG 35
Db      962 ATCACAGATCTCTCACCATTGAGGATCCCGCTCAG 996

```

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RESULT 14
; Sequence 57, Application US/10410997
; Publication No. US20040126838A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
US-10-410-997-57

```

```

; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: POLICICLE STIMULATING HORMONE: REMODELING AND GLYCOCONTUGATION OF
; TITLE OF INVENTION: FSH
; FILE REFERENCE: 040853-01-5059
; CURRENT APPLICATION NUMBER: US/10/410,997
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-997-57

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```

Query Match      74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

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CY      1 ATCACAGATCTCTCACCATTGAGARCCCGCAGCAG 35
Db      962 ATCACAGATCTCTCACCATTGAGGATCCCGCTCAG 996

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RESULT 15
; Sequence 57, Application US/10411012
; Publication No. US20040132640A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: GLYCOPREGYLATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
; FILE REFERENCE: 040853-01-5051
; CURRENT APPLICATION NUMBER: US/10/411,012
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
US-10-411-012-57

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Mon Aug 23 09:35:11 2004

us-09-292-053a-7.rnpb

Page 7

LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-012-57

Query Match 74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGGAARCCCCAGCKCAG 35
DB 962 ATCAGATCTCTCACCATGGAAGGTCCCCGCTCAG 996

Search completed: August 23, 2004, 09:17:35
Job time : 110.315 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 Search time 8.64261 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-5

Perfect score: 41
Sequence: 1 atcacagatctctccaccatg.....acatgaggtccccgcctcag 41

Scoring table:
IDENTITY NUC
Gapop 10-0, Gapext 1.0

Searched: 662709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	41	100.0	41	1	US-08-478-039-39 Sequence 39, Appl
2	41	100.0	41	1	US-08-476-349A-39 Sequence 39, Appl
3	41	100.0	41	3	US-08-803-085-5 Sequence 5, Appl
4	41	100.0	41	3	US-08-523-894-32 Sequence 32, Appl
5	41	100.0	19040	4	US-09-343-485A-3 Sequence 3, Appl
6	35.4	86.3	41	1	US-08-478-039-40 Sequence 40, Appl
7	35.4	86.3	41	1	US-08-476-349A-40 Sequence 40, Appl
8	35.4	86.3	41	3	US-08-523-894-33 Sequence 33, Appl
9	29.6	72.2	39	5	US-08-290-592E-9 Sequence 9, Appl
10	29.6	72.2	39	5	PCT-US95-10053-6 Sequence 6, Appl
11	29.6	72.2	39	5	PCT-US96-09448-9 Sequence 9, Appl
12	28.4	69.3	77	2	US-07-916-088A-46 Sequence 46, Appl
13	28.4	69.3	77	2	US-07-916-088A-48 Sequence 48, Appl
14	28.4	69.3	371	4	US-09-389-681-187 Sequence 187, App
15	28.4	69.3	371	4	US-09-620-405B-187 Sequence 187, App
16	28.4	69.3	371	4	US-09-339-338-187 Sequence 187, App
17	28.4	69.3	371	4	US-09-433-826B-187 Sequence 187, App
18	28.4	69.3	371	4	US-09-604-287A-187 Sequence 187, App
19	28.4	69.3	371	4	US-09-834-759-187 Sequence 187, App
20	28.4	69.3	1701	2	US-07-916-088A-54 Sequence 54, Appl
21	28.4	69.3	1701	2	US-07-916-088A-55 Sequence 55, Appl
22	28.4	69.3	45	2	US-08-157-101A-4 Sequence 4, Appl
23	27.8	67.9	1066	1	US-07-916-098A-47 Sequence 47, Appl
24	26.4	64.4	941	4	US-09-800-729-81 Sequence 81, Appl
25	26.4	64.4	106	1	US-08-290-582E-26 Sequence 26, Appl
26	26.4	64.4	106	1	PCT-US95-10053-23 Sequence 23, Appl
27	26	63.4	106	5	PCT-US95-10053-23 Sequence 23, Appl

28	26	63.4	106	5	PCT-US96-09448-26 Sequence 26, Appl
29	25.2	61.5	60	2	US-08-053-451B-158 Sequence 158, Appl
30	25.2	61.5	449	1	US-08-480-434-61 Sequence 61, Appl
31	25.2	61.5	449	2	US-08-053-451B-61 Sequence 61, Appl
32	25.2	61.5	847	1	US-08-053-131-184 Sequence 184, App
33	25.2	61.5	847	1	US-08-096-762-184 Sequence 184, App
34	25.2	61.5	847	3	US-09-042-353-47 Sequence 47, Appl
35	25.2	61.5	847	4	US-08-758-417A-312 Sequence 312, App
36	25	61.0	36	2	US-08-646-367-12 Sequence 12, App
37	25	61.0	48	4	US-09-472-087-111 Sequence 111, App
38	24.8	60.5	50	3	US-08-957-001B-8 Sequence 8, Appl
39	24.8	60.5	50	3	US-09-496-301-8 Sequence 8, Appl
40	24	58.5	387	1	US-08-217-918-1 Sequence 1, Appl
41	24	58.5	387	3	US-08-803-085-3 Sequence 3, Appl
42	24	58.5	390	2	US-08-646-367-2 Sequence 2, Appl
43	24	58.5	708	1	US-08-488-376-18 Sequence 18, Appl
44	24	58.5	708	2	US-08-634-223-18 Sequence 18, Appl
45	24	58.5	708	2	US-08-634-224-18 Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-478-039-39
Sequence 39, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabli
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Beg., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens and Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BgIII site
US-08-478-039-39

Query Match
Best Local Similarity 100.0%; Score 41; DB 1; Length 41;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41

RESULT 2
US-08-476-349A-39
Sequence 39, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newnan, Roland A.
APPLICANT: Hanna, Nabil
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION/DOCKET NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens and Monkey

POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BgIII site
US-08-476-349A-39

Query Match
Best Local Similarity 100.0%; Score 41; DB 1; Length 41;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41

RESULT 3
US-08-803-085-5
Sequence 5, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION/DOCKET NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-5

Query Match
Best Local Similarity 100.0%; Score 41; DB 3; Length 41;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGGTCCCGCTCAG 41

RESULT 4
US-08-523-894-32
Sequence 32, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newnan, Roland A.
APPLICANT: Reff, Mitchell E.

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3

Query Match 100.0%; Score 41; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.6e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 41
DB 7528 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 7568

RESULT 6
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-32

Query Match 100.0%; Score 41; DB 3; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 41

RESULT 5
US-09-343-485A-3
Sequence 3, Application US/09343485A
Patent No. 6413777
GENERAL INFORMATION:
APPLICANT: REFF, MITCHELL R.
APPLICANT: BARNETT, RICHARD S.
APPLICANT: MCLACHLAN, KAREN R.
TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT SPECIFIC SITES IN
TITLE OF INVENTION: MAMMALIAN CELLS VIA HOMOLOGOUS RECOMBINATION AND
FILE REFERENCE: 037003-0275807
CURRENT APPLICATION NUMBER: US/09/343,485A
CURRENT FILING DATE: 1999-06-30
PRIOR APPLICATION NUMBER: 09/023,715
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: 08/819,866
PRIOR FILING DATE: 1997-03-14
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
LENGTH: 19040
TYPE: DNA
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3

Query Match 100.0%; Score 41; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.6e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 41
DB 7528 ATCACAGATCTCTCACCACATGACATGAGGATCCCCGCTCAG 7568

RESULT 6
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-40

Query Match 86.3%; Score 35.4; DB 1; Length 41;
Best Local Similarity 90.2%; Pred. No. 9.9e-06;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41
DB 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 7
US-08-476-349A-40
Sequence 40, Application US/08476349A
Patent No. 5750105

GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1464

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991

ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

LENGTH: 41 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with BglII site

Query Match 86.3%; Score 35.4; DB 1; Length 41;

Best Local Similarity 90.2%; Pred. No. 9.9e-06;

Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

DB 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 8
US-08-523-894-33
Sequence 33, Application US/08523894
Patent No. 6136310

GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell S.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 41 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Human or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site

US-08-523-894-33

Query Match 86.3%; Score 35.4; DB 3; Length 41;

Best Local Similarity 90.2%; Pred. No. 9.9e-06;

Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

DB 1 ATCAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 9
US-08-290-592E-9
Sequence 9, Application US/08290592E
Patent No. 5824307

GENERAL INFORMATION:

APPLICANT: JOHNSON, L.

TITLE OF INVENTION: Human Murine Chimeric Antibodies Against

NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART &

OLSTEIN

STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,592E
FILING DATE: August 15, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Olstein, Elliot M.
REGISTRATION NUMBER: 24,025
REFERENCE/DOCKET NUMBER: 469201-257
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
US-08-290-592B-9

Query Match 72.2%; Score 29.6; DB 1; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 CTCACCATGACATGAGGTCCTCCGCTCAG 41
DB 9 CTCACCATGACATGAGGTCCTCCGCTCAG 38

RESULT 10
PCT-US95-10053-6
Sequence 6, Application PC/TUS95:10053
GENERAL INFORMATION:
APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against Respiratory Syncytial
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10053
FILING DATE: Concurrently
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:

NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 469201-274
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
PCT-US95-10053-6

Query Match 72.2%; Score 29.6; DB 5; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 CTCACCATGACATGAGGTCCTCCGCTCAG 41
DB 9 CTCACCATGACATGAGGTCCTCCGCTCAG 38

RESULT 11
PCT-US96-09448-9
Sequence 9, Application PC/TUS96:09448
GENERAL INFORMATION:
APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against Respiratory Syncytial
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09448
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: HERON, CHARLES J.
REGISTRATION NUMBER: 28,019
REFERENCE/DOCKET NUMBER: 469201-257
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
PCT-US96-09448-9

Query Match 72.2%; Score 29.6; DB 5; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

GenCore version 5.1.6
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OK nucleic - nucleic search, using sw model1

Run on: August 22, 2004, 22:56:57 ; Search time 86.6369 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-4

Perfect score: 411
Sequence: 1 atgagatttgagctgagctg.....tccctgctaccgctctctca 411

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.*
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5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	407.8	99.2	411	3	US-08-803-085-4 ✓ Sequence 4, Appli
2	361.6	88.0	13040	4	US-09-343-485A-3 Sequence 3, Appli
3	263	64.0	432	1	US-08-026-330A-1 Sequence 1, Appli
4	257.8	62.7	1392	4	US-09-472-087-27 Sequence 27, Appli
5	257.8	62.7	1392	4	US-09-472-087-53 Sequence 53, Appli
6	257.8	62.7	1392	4	US-09-472-087-55 Sequence 55, Appli
7	257.8	62.7	1392	4	US-09-472-087-54 Sequence 54, Appli
8	256.4	62.4	1395	4	US-09-472-087-28 Sequence 28, Appli
9	256.4	62.4	1395	4	US-09-472-087-57 Sequence 57, Appli
10	255.8	62.2	1392	4	US-09-472-087-30 Sequence 30, Appli
11	255.8	62.2	1392	4	US-09-472-087-59 Sequence 59, Appli
12	255.4	62.1	393	1	US-08-258-372A-3 Sequence 3, Appli
13	255.4	62.1	393	1	US-08-468-671-3 Sequence 3, Appli
14	247.6	60.2	1413	4	US-09-472-087-61 Sequence 61, Appli
15	245	59.6	423	1	US-08-259-372A-1 Sequence 1, Appli
16	245	59.6	423	1	US-08-468-671-1 Sequence 1, Appli
17	239.4	58.2	743	3	US-08-545-809A-21 Sequence 21, Appli
18	239.4	58.2	743	3	US-08-545-809A-48 Sequence 48, Appli
19	238.8	58.1	715	3	US-08-545-809A-11 Sequence 11, Appli
20	235	57.2	417	3	US-08-134-346A-49 Sequence 49, Appli
21	230.8	56.2	514	3	US-08-545-809A-23 Sequence 23, Appli
22	229	55.7	405	5	US-08-619-491-7 Sequence 7, Appli
23	229	55.7	405	5	PCT-US95-07302-7 Sequence 7, Appli
24	228.4	55.6	426	1	US-08-305-683A-1 Sequence 1, Appli
25	227.4	55.3	1572	3	US-09-049-672A-18 Sequence 18, Appli
26	226.6	55.1	649	3	US-08-545-809A-64 Sequence 64, Appli
27	225.6	54.9	413	1	US-08-253-877C-56 Sequence 56, Appli

28	225.6	54.9	413	2	US-08-452-164A-56 Sequence 56, Appli
29	223.2	54.8	418	1	US-07-977-696C-27 Sequence 27, Appli
30	225.2	54.8	418	1	US-08-129-930B-27 Sequence 27, Appli
31	225.2	54.8	418	1	US-08-976-288A-27 Sequence 27, Appli
32	224.6	54.6	543	3	US-08-862-124-1 Sequence 1, Appli
33	224.6	54.6	543	3	US-08-862-124-3 Sequence 3, Appli
34	224	54.5	908	4	US-09-273-839A-9 Sequence 9, Appli
35	223.8	54.5	354	2	US-08-652-816A-21 Sequence 21, Appli
36	223.2	54.3	354	2	US-08-652-816A-22 Sequence 22, Appli
37	222.4	54.1	348	2	US-08-652-816A-24 Sequence 24, Appli
38	222	54.0	474	2	US-08-653-402B-5 Sequence 5, Appli
39	221.8	54.0	724	3	US-08-646-367-1 Sequence 9, Appli
40	220.4	53.6	423	2	US-08-646-367-1 Sequence 1, Appli
41	220.4	53.6	675	4	US-09-456-090A-59 Sequence 59, Appli
42	220.4	53.6	675	4	US-09-456-090A-91 Sequence 20, Appli
43	220.2	53.6	514	3	US-08-545-809A-20 Sequence 55, Appli
44	219.8	53.5	677	4	US-09-456-090A-55 Sequence 10, Appli
45	219.6	53.4	445	1	US-08-053-171-10 Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-08-803-085-4
Sequence 4, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REEP, Mitchell E.
APPLICANT: KLOETZER, William S.
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHEIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 411 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..411
NAME/KEY: mat_peptide
LOCATION: 58..411
US-08-803-085-4
Query Match 99.2%, Score 407.8, DB 3, Length 411,

Best Local Similarity 99.5%; Pred. No. 3,6e-114;
Matches 409; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	ATGAGATTGGGCTGAGACCTGGGTTTCTTCCTCTCTTTGAAAGGTCGACGTGAG	60
Dd	1 ATGAGATTGGGCTGAGACCTGGGTTTCTTCCTCTCTTTGAAAGGTCGACGTGAG	60
Qy	61 GTGCAGCTGGTGGAGTCTGGGGGCGGCTTTGGCAAAAGCTGGGGGGTCCCTGAGCTCC	120
Dd	61 GTGCAGCTGGTGGAGTCTGGGGGCGGCTTTGGCAAAAGCTGGGGGGTCCCTGAGCTCCG	120
Qy	121 TGGGCACTCCGGGGTTTCAGGTTTCACTTCAATACATCTACATGAGACTGGTCCGCGAG	180
Dd	121 TGGGCACTCCGGGGTTTCAGGTTTCACTTCAATACATCTACATGAGACTGGTCCGCGAG	180
Qy	181 GCTCCAGGGCAGGGGGCTGGAGTGGGGCTCAGCTATTAAGTAGAGGGGATCCCAACATGG	240
Dd	181 GCTCCAGGGCAGGGGGCTGGAGTGGGGCTCAGCTATTAAGTAGAGGGGATCCCAACATGG	240
Qy	241 TAGCAGACTCCGCTGAAAGGCGAGATTCAACATCTCCAGAGAGAAAGCCACACACACTG	300
Dd	241 TAGCAGACTCCGCTGAAAGGCGAGATTCAACATCTCCAGAGAGAAAGCCACACACACTG	300
Qy	301 TTTCTTCAATGAACACGCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGCGAAGTTG	360
Dd	301 TTTCTTCAATGAACACGCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGCGAAGTTG	360
Qy	361 ACTACAGGGGTGACCTCTGGGGCCAGGGAGTCTGGTCACTGCTCTCTCA 411	
Dd	361 ACTACAGGGGTGACCTCTGGGGCCAGGGAGTCTGGTCACTGCTCTCTCA 411	

RESULT 2

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US-09-343-485A-3
; Sequence 3, Application US/09343485A
; Patent No. 6413777
; GENERAL INFORMATION:
; APPLICANT: REFF, MITCHELL R.
; APPLICANT: BARNETT, RICHARD S.
; APPLICANT: MCILACHLAN, KAREN R.
; TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT SPECIFIC SITES IN
; TITLE OF INVENTION: MAMMALIAN CELLS VIA HOMOLOGOUS RECOMBINATION AND
; TITLE OF INVENTION: VECTORS FOR ACCOMPLISHING THE SAME
; FILE REFERENCE: 037003-0275807
; CURRENT APPLICATION NUMBER: US/09/343,485A
; PRIOR APPLICATION NUMBER: 09/023,715
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 08/819,866
; PRIOR FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19040
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3

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Query March 1	88.0%	Score 361.6	DB 4	Length 19040
Best Local Similarity	93.9%	Pred. No. 1.9e-39		
Matches 387	Conservative 0	Mismatches 24	Indels 1	Gaps 1

QY	1	AATGAGATTTCGGCTGAGCTGGGCTTTCTTCTCTCTTTGAAAGTGCACGTGTAG	60
Dh	9436	ATGGATTGAGCTCACTTCCTCTTCCTCTTCGCTGTGCTAGCGCTGCTCTGTCGCG	9495
QY	61	GTCGACCTGGTGAAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCCAGACCTTCC	120
Dh	9496	GTCGACCTGGTGAAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCCAGACCTTCC	9555

Oy	121	TGCGCAGCCTCCGGGTTCAGGTTACCTTCATTAACACTACATGGAATGGGTCCGCGAG	180
Db	9556	TGCCACGCTCCGGGTTCAGGTTACCTTCATTAACACTACATGGAATGGGTCCGCGAG	9615
Oy	181	GCTCCAGGGCAGGGGCTGAGTGGGTCTCAGCGTTATAGTATGGATGATCCACACTGG	240
Db	9616	GCTCCAGGGCAGGGGCTGAGTGGGTCTCAGGTTATAGTATGGATGATCCACACTGG	9675
Oy	241	TAGCCACATCCCGTGGAAAGGCAGATTCACCATCTCCAGAGGAAGCCAAACACACTG	300
Db	9676	TAGCCACATCCCGTGGAAAGGCAGATTCACCATCTCCAGAGGAAGCCAAACACACTG	9735
Oy	301	TTTTTTTAAATGAACAAGCTGAGAGCTGAGAGCAAGGCTGTCTATATCTGTGCGAGCTTG	360
Db	9736	TTTTTTTAAATGAACAAGCTGAGAGCTGAGAGCAAGGCTGTCTATATCTGTGCGAGCTTG	9795
Oy	361	ACTACAGGCTTGAATCTCTGGGGCCAGGGAGTCTTGTCACGGTCTTCTCTCA	411
Db	9796	ACTACAGGCTTGAATCTCTGGGGCCAGGGAGTCTTGTCACGGTCTTCTCTCA	9847

RESULT 3

US-08-026-320A-1
Sequence 1, Application US/08026320A
Patent No. 541904
GENERAL INFORMATION:
APPLICANT: Ite, Reiko F
TITLE OF INVENTION: HUMAN B-LYMPHOBLASTOID CELL LINE
TITLE OF INVENTION: SECRETING ANTI-GANGLIOSIDE ANT
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pons, Smith, Lande & Rose
STREET: 2029 Century Park East, Suite 3800
CITY: Los Angeles
STATE: California
COUNTRY: United States of America
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/026,320A
FILING DATE: 26-FEB-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/609803
FILING DATE: 05-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Oldenham, David J
REGISTRATION NUMBER: 29421
REFERENCE/DOCKET NUMBER: 94268
TELECOMMUNICATION INFORMATION:
TELEPHONE: 3107885046
TELEFAX: 3102771297
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 432 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Epstein Barr Virus Transformed B cell
CELL LINE: L642
FEATURE:
NAME/KEY: CDS
LOCATION: 1..432
OTHER INFORMATION: /function= "Heavy Chain"

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OTHER INFORMATION: /product= "Immunoglobulin Variable Region"
OTHER INFORMATION: /standard_name= "Humab L612 Heavy Chain Variable
OTHER INFORMATION: Region Sequence"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 148..162
OTHER INFORMATION: /function= "Complementary
OTHER INFORMATION: determining region 1 (CDR1)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 271..300
OTHER INFORMATION: /function= "Complementary
OTHER INFORMATION: determining region 2 (CDR2)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 397..429
OTHER INFORMATION: /function= "Complementary
OTHER INFORMATION: determining region 3 (CDR3)"
US-08-026-320A-1

Query Match      64.0%; Score 263; DB 1; Length 432;
Best Local Similarity 80.4%; Pred. No. 2.8e-70;
Matches 340; Conservative 0; Mismatches 65; Indels 18; Gaps 2;

QY 1 ATGAGATTGGAGCTGAGCTGGATTTCCTGTTCTTTGAAAGGTCCAGTGTAG 60
DB 1 ATGAGATTGGAGCTGAGCTGGATTTCCTGTTCTTTGAAAGGTCCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCCCTGAGACTCC 120
DB 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCCCTGAGACTCC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACATCACTAGTGGAGTCCGCGAG 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACATCACTAGTGGAGTCCGCGAG 180
QY 121 TGTGAGAGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGTCCGCCAG 174
DB 121 TGTGAGAGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGTCCGCCAG 174
QY 181 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 240
DB 181 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 240
QY 175 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 234
DB 175 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 234
QY 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
DB 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAGAACGCAACACACTG 300
QY 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
DB 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 355
DB 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 355
QY 295 TATCTGCAAAATGAAACAGCTGAGAGCGAGAGCAAGGCGATATTACTGTGCAAAAGGT 354
DB 295 TATCTGCAAAATGAAACAGCTGAGAGCGAGAGCAAGGCGATATTACTGTGCAAAAGGT 354
QY 356 -----GCTTGACTACAGGGTCTGACTCTGGGGCCAGGGAGTCTGTGTCAACGCTCTCC 408
DB 356 -----GCTTGACTACAGGGTCTGACTCTGGGGCCAGGGAGTCTGTGTGTCAACGCTCTCC 408
QY 355 GGCACAGATATTGTGACTGTGTTATTATGCTGGGGCCAGGGAAACCTGTGTCAACGCTCTCC 414
DB 355 GGCACAGATATTGTGACTGTGTTATTATGCTGGGGCCAGGGAAACCTGTGTCAACGCTCTCC 414
QY 409 TCA 411
DB 409 TCA 411
QY 415 TCA 417
DB 415 TCA 417

RESULT 4
US-09-472-087-27
Sequence 27, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MOELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOPREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
PRIORITY APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
```

```
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-27

Query Match      62.7%; Score 257.8; DB 4; Length 1392;
Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;

QY 1 ATGAGATTGGAGCTGAGCTGGATTTCCTGTTCTTTGAAAGGTCCAGTGTAG 60
DB 1 ATGAGATTGGAGCTGAGCTGGATTTCCTGTTCTTTGAAAGGTCCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCCCTGAGACTCC 120
DB 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCCCTGAGACTCC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACATCACTAGTGGAGTCCGCCAG 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACATCACTAGTGGAGTCCGCCAG 180
QY 121 TGTGAGAGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGTCCGCCAG 174
DB 121 TGTGAGAGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGTCCGCCAG 174
QY 181 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 240
DB 181 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 240
QY 175 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 234
DB 175 GCTCCAGGAGGAGGCTGAGTGGGTTCAAGTATTAGTAGTGTGATCCACATGG 234
QY 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
DB 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
QY 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
DB 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 360
DB 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 360
QY 295 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 354
DB 295 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 354
QY 361 ACT-----ACAGGCTCTGACTCTCTGGGGCCAGGGAGTCTGTGTCAACGCTCTCC 411
DB 361 ACT-----ACAGGCTCTGACTCTCTGGGGCCAGGGAGTCTGTGTCAACGCTCTCC 411
DB 355 GGTCACTGTGGTCTTTTGACTACTGTGGGCGAGGAAACCTGTGTCAACGCTCTCC 411

RESULT 5
US-09-472-087-53
Sequence 53, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MOELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOPREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
PRIORITY APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 53
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-53

Query Match      62.7%; Score 257.8; DB 4; Length 1392;
Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;
```

QY 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTCTTTTGAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTCTTTTGAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
Db 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
QY 121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAAGTATGAGTGTGATCCGCGCAG 180
Db 121 TGGTGTAGCTGTG-----GATTCACTTCAGTAGCAGTGCAGTGCAGTGCAG 174
QY 181 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 240
Db 175 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 234
QY 241 TAGCAGACTCCGTGAAAGGCAATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAAAGGCGGATTCACCATCTCCAGAGAGCAATTCACAGAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGCTTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGAG 354
QY 361 ACT-----ACAGGCTGTGACTCTGCGGCGCAGAGAGTCTGTCACCGTCTCTCA 411
Db 355 GGTCACTTGGTCCCTTTTGACTAAGGCGCAGAGAACCTGTGACCGTCTCTCA 411

RESULT 6
US-09-472-087-55

/ Sequence 55, Application US/09472087
/ Patent No. 6682736
/ GENERAL INFORMATION:
/ APPLICANT: HANSON, DOUGLAS C.
/ APPLICANT: NEVERU, MARK J.
/ APPLICANT: MOELLER, EILEEN E.
/ APPLICANT: HANKE, JEFFREY H.
/ APPLICANT: GILMAN, STEVEN C.
/ APPLICANT: DAVIS, C. GEOFFREY
/ APPLICANT: CORVALAN, JOSE R.
/ TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
/ FILE REFERENCE: ABX-PFI
/ CURRENT APPLICATION NUMBER: US/09/472,087
/ PRIOR FILING DATE: 1999-12-23
/ PRIOR APPLICATION NUMBER: 60/113,647
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 55
/ LENGTH: 1392
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-472-087-55

Query Match Score 62.7%; DB 4; Length 1392;

Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;

QY 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTTGAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTTGAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
Db 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
QY 121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAAGTATGAGTGTGATCCGCGCAG 180
Db 121 TGGTGTAGCTGTG-----GATTCACTTCAGTAGCAGTGCAGTGCAGTGCAG 174
QY 181 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 240
Db 175 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 234

Db 175 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 234
QY 241 TAGCAGACTCCGTGAAAGGCAATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAAAGGCGGATTCACCATCTCCAGAGAGCAATTCACAGAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGCTTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGAG 354
QY 361 ACT-----ACAGGCTGTGACTCTGCGGCGCAGAGAGTCTGTCACCGTCTCTCA 411
Db 355 GGTCACTTGGTCCCTTTTGACTAAGGCGCAGAGAACCTGTGACCGTCTCTCA 411

RESULT 7
US-09-472-087-54

/ Sequence 54, Application US/09472087
/ Patent No. 6682736
/ GENERAL INFORMATION:
/ APPLICANT: HANSON, DOUGLAS C.
/ APPLICANT: NEVERU, MARK J.
/ APPLICANT: MOELLER, EILEEN E.
/ APPLICANT: HANKE, JEFFREY H.
/ APPLICANT: GILMAN, STEVEN C.
/ APPLICANT: DAVIS, C. GEOFFREY
/ APPLICANT: CORVALAN, JOSE R.
/ TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
/ FILE REFERENCE: ABX-PFI
/ CURRENT APPLICATION NUMBER: US/09/472,087
/ PRIOR FILING DATE: 1999-12-23
/ PRIOR APPLICATION NUMBER: 60/113,647
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 54
/ LENGTH: 1999
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-472-087-54

Query Match Score 62.7%; DB 4; Length 1999;

Best Local Similarity 79.9%; Pred. No. 2.1e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;

QY 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTTGAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGCTGGGTTTTCCTTTCTTTTGAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
Db 61 GTGCACTGTGTGAGCTGGGGGCGGCTTGCAAAAGCTGGGGGGTCCGTGAGCTGCC 120
QY 121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAAGTATGAGTGTGATCCGCGCAG 180
Db 121 TGGTGTAGCTGTG-----GATTCACTTCAGTAGCAGTGCAGTGCAGTGCAG 174
QY 181 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 240
Db 175 GCTCCAGGCAAGGGGCTGAGTGGGCTGACGATTAAGTATGAGTGTGATCCGCGCAG 234
QY 241 TAGCAGACTCCGTGAAAGGCAATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAAAGGCGGATTCACCATCTCCAGAGAGCAATTCACAGAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGCTTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGAGTGAAGACAGGCTGTATTACTGTGCGAGAG 354
QY 361 ACT-----ACAGGCTGTGACTCTGCGGCGCAGAGAGTCTGTCACCGTCTCTCA 411
Db 355 GGTCACTTGGTCCCTTTTGACTAAGGCGCAGAGAACCTGTGACCGTCTCTCA 411

Best Local Similarity 81.1%; Pred. No. 7.2e-68;
Matches 338; Conservative 0; Mismatches 67; Indels 12; Gaps 3;

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OY 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
DB 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
OY 61 GTGAGCTGTGTGAGTGTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTCTCC 120
DB 61 GTGAGCTGTGTGAGTGTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTCTCC 120
OY 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTTCACTTCACTTCACTTCACTT 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTTCACTTCACTTCACTTCACTT 180
OY 121 TTTAAGAGCTCTG-----GATTCACTTCACTTCACTTCACTTCACTTCACTTCACTT 174
DB 121 TTTAAGAGCTCTG-----GATTCACTTCACTTCACTTCACTTCACTTCACTTCACTT 174
OY 181 GCTCCAGGCGAGGCGCTGAGTGTGTCTCACTTATTAAGTGTGTGTGTGTGTGTGTGTGT 240
DB 175 GCTCCAGGCGAGGCGCTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 234
OY 241 TACGAGAGCTCCGTTGAAGGCGAGTTCACATCTCCAGAGAGAGAGAGAGAGAGAGAGAG 300
DB 235 TATGAGAGCTCCGCGAGAGGCGGATTCACATCTCCAGAGAGAGAGAGAGAGAGAGAGAG 294
OY 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 358
DB 295 TATCTGCAATGAACAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 354
OY 355 TGACTACAGGG-----TGTGACTCTCTGGGGCGAGGAGTCTGTGTGTGTGTGTGTGTGT 411
DB 355 GGAAGCTGTGGTTACTTTGACTTGTGACTGTGGGGCGAGGAGAGAGAGAGAGAGAGAGAG 411
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RESULT 11

US-09-472-087-59
Sequence 59, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 59
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-59

Query Match 62.2%; Score 255.8; DB 4; Length 1392;
Best Local Similarity 81.1%; Pred. No. 7.2e-68;

Matches 338; Conservative 0; Mismatches 67; Indels 12; Gaps 3;

```
OY 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
DB 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
OY 61 GTGAGAGCTGGTGAAGCTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTCTCC 120
DB 61 GTGAGAGCTGGTGAAGCTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTCTCC 120
OY 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTTCACTTCACTTCACTTCACTT 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTTCACTTCACTTCACTTCACTT 180
OY 121 TGTACAGAGCTCTG-----GATTCACTTCACTTCACTTCACTTCACTTCACTTCACTT 174
DB 121 TGTACAGAGCTCTG-----GATTCACTTCACTTCACTTCACTTCACTTCACTTCACTT 174
```

```
OY 181 GCTCCAGGCGAGGCGCTGAGTGTGTCTCACTTATTAAGTGTGTGTGTGTGTGTGTGTGT 240
DB 175 GCTCCAGGCGAGGCGCTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 234
OY 241 TACGAGAGCTCCGTTGAAGGCGAGTTCACATCTCCAGAGAGAGAGAGAGAGAGAGAGAG 300
DB 235 TATGAGAGCTCCGCGAGAGGCGGATTCACATCTCCAGAGAGAGAGAGAGAGAGAGAGAG 294
OY 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 358
DB 295 TATCTGCAATGAACAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 354
OY 355 TGACTACAGGG-----TGTGACTCTCTGGGGCGAGGAGTCTGTGTGTGTGTGTGTGTGT 411
DB 355 GGAAGCTGTGGTTACTTTGACTTGTGACTGTGGGGCGAGGAGAGAGAGAGAGAGAGAGAG 411
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RESULT 12

US-08-259-372A-3
Sequence 3, Application US/08259372A
Patent No. 558354
GENERAL INFORMATION:
APPLICANT: Oselberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Hybridoma
CELL LINE: ZM1-1
FEATURE:
NAME/KEY: CDS
LOCATION: 1..393
US-08-259-372A-3

Query Match 62.1%; Score 255.4; DB 1; Length 393;
Best Local Similarity 82.0%; Pred. No. 5.5e-68;
Matches 337; Conservative 0; Mismatches 56; Indels 18; Gaps 3;

QY 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
Db 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
QY 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
Db 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
Db 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
QY 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 174
Db 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 174
QY 181 GCTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
Db 181 GCTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
QY 175 GCTACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 231
Db 175 GCTACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 231
QY 241 TACGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
Db 241 TACGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
QY 232 TATGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
Db 232 TATGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Db 301 TTCTCTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
QY 292 TATCTTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 292 TATCTTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
QY 361 ACTACAGGAGCTGAGCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
Db 361 ACTACAGGAGCTGAGCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
US-08-468-671-3

RESULT 13

US-08-468-671-3
Sequence 3, Application US/08468671
Parent No. 5648077

GENERAL INFORMATION:
APPLICANT: Oetberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,671
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/259,372

FILING DATE: 14-JUN-1994
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Hybridoma
CELL LINE: ZM1-1
FEATURE:
NAME/KEY: CDS
LOCATION: 1..393
US-08-468-671-3

Query Match 62.1%; Score 255.4; DB 1; Length 393;
Best Local Similarity 82.0%; Pred. No. 5.5e-68;
Matches 337; Conservative 0; Mismatches 56; Indels 18; Gaps 3;

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Db 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
QY 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
Db 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
Db 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
QY 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 174
Db 121 TGCGAGAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 174
QY 181 GCTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
Db 181 GCTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 240
QY 175 GCTACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 231
Db 175 GCTACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 231
QY 241 TACGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
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Db 232 TATGACAGCTCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Db 301 TTCTCTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
QY 292 TATCTTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 292 TATCTTCAATGAACAGCTGAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
QY 361 ACTACAGGAGCTGAGCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
Db 361 ACTACAGGAGCTGAGCTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411

QY 241 TACGAGACTCCGTGAAGGCGAGATTCACATCTCCAGAGGAAAGCCCAACACACTG 300
Db 235 TATGCAHACTCCGTGAAGGCGCGATTCACATCTCCAGAGCAATTCGAACACTCTG 294
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Db 295 TTCTGCAAAATGCAAGCTGAGAGTGAAGACAAGGCTGTATTACTGTGCGA 349

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Job time : 87.6369 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 109.315 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-6

Perfect score: 35
Sequence: 1 atccagatctctcaccatgaggtccctccgtcag 35

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3228839 seqs, 2456066551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	35	100.0	35	US-09-019-441-6	Sequence 6, Appl
2	35	100.0	35	US-10-103-686-6	Sequence 6, Appl
3	31.8	90.9	8540	US-09-011-692-2	Sequence 2, Appl
4	31.8	90.9	8540	US-09-011-703-2	Sequence 2, Appl
5	31.8	90.9	8540	US-10-411-037-57	Sequence 57, Appl
6	31.8	90.9	8540	US-10-411-026-57	Sequence 57, Appl
7	31.8	90.9	8540	US-10-238-681-2	Sequence 57, Appl
8	31.8	90.9	8540	US-10-410-962-57	Sequence 57, Appl
9	31.8	90.9	8540	US-10-411-049-57	Sequence 57, Appl
10	31.8	90.9	8540	US-10-410-930-57	Sequence 57, Appl
11	31.8	90.9	8540	US-10-410-997-57	Sequence 57, Appl
12	31.8	90.9	8540	US-10-411-012-57	Sequence 57, Appl
13	31.8	90.9	8540	US-10-287-994-57	Sequence 57, Appl
14	31.8	90.9	8540	US-10-410-913-57	Sequence 57, Appl

15	31.8	90.9	8541	10	US-09-905-928-1	Sequence 1, Appl
16	31.8	90.9	8541	15	US-10-086-964-1	Sequence 62, Appl
17	29	82.9	37	9	US-09-850-165-62	Sequence 31, Appl
18	29	82.9	37	15	US-10-211-557-31	Sequence 3, Appl
19	27.6	78.9	3548	15	US-10-295-823-3	Sequence 8, Appl
20	27.2	77.7	100	9	US-09-969-139-8	Sequence 16, Appl
21	25.6	73.1	40	16	US-10-389-921-20	Sequence 7, Appl
22	25.4	72.6	9569	13	US-10-147-849-16	Sequence 7, Appl
23	25	71.4	35	10	US-09-019-441-7	Sequence 61, Appl
24	25	71.4	35	15	US-10-103-686-7	Sequence 7523, Ap
25	25	71.4	738	15	US-09-918-995-7523	Sequence 2496, Ap
26	24	68.6	299	15	US-10-106-698-2496	Sequence 24, Appl
27	23.4	66.9	366	13	US-10-395-894-24	Sequence 32, Appl
28	23.4	66.9	463	13	US-10-395-894-24	Sequence 14917, A
29	23.4	66.9	478	13	US-10-395-894-32	Sequence 241613,
30	23.4	66.9	562	9	US-09-864-761-14917	Sequence 241614,
31	23.4	66.9	592	13	US-10-027-632-241613	Sequence 317, App
32	23.4	66.9	592	13	US-10-027-632-241614	Sequence 10899, A
33	23.4	66.9	592	13	US-10-027-632-241615	Sequence 9022, Ap
34	23.4	66.9	592	13	US-10-027-632-241615	Sequence 1832, A
35	23.4	66.9	592	16	US-10-027-632-241613	Sequence 1585, Ap
36	23.4	66.9	592	16	US-10-027-632-241614	Sequence 241615,
37	23.4	66.9	592	16	US-10-027-632-241615	Sequence 241615,
38	23.4	66.9	594	10	US-09-871-161-197	Sequence 317, App
39	23.4	66.9	594	15	US-10-198-846-10899	Sequence 10899, A
40	23.4	66.9	611	15	US-10-198-846-10822	Sequence 9022, Ap
41	23.4	66.9	916	15	US-10-198-846-12832	Sequence 1832, A
42	23.4	66.9	944	16	US-10-108-860A-1585	Sequence 7, Appl
43	23.4	66.9	968	10	US-09-992-600A-7	Sequence 7, Appl
44	23.4	66.9	968	10	US-09-924-140-7	Sequence 7, Appl
45	23.4	66.9	968	10	US-09-992-095B-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1
US-09-019-441-6
; Sequence 6, Application US/09019441
; Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: RPP, Mitchell E.
NAKAWORA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSES: BURNS, DOANE, SWICKER & MATHEIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-019-441-6

Query Match 100.0%; Score 35; DB 10; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.3e-05;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 2
US-10-103-686-6
Sequence 6, Application US/10103686
Publication No.: US20030059424A1
GENERAL INFORMATION:

APPLICANT: REF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko

TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS

NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-103-686-6

Query Match 100.0%; Score 35; DB 15; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.3e-05;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 3
US-09-911-692-2
Sequence 2, Application US/09911692
Publication No. US2003009563A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.
HANNA, Nabill
LEONARD, John E.
NEWMAN, Roland A.
REF, Mitchell E.
PASTERSTER, William H.

RADIO LABELED ANTIBODIES OF CHIMERIC AND
THERAPEUTIC APPLICATIONS TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,692
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 2:

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYBOTHEICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-911-692-2

Query Match 90.9%; Score 31.8; DB 10; Length 8530;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 952 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 986

RESULT 4
US-09-911-703-2

Sequence 2, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.
HANNA, Nabill

LEONARD, John E.
NEWMAN, Roland A.
REEF, Mitchell E.
RASETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,703
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,099
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-911-703-2
Query Match 90.9%; Score 31.8; DB 9; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
CY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996
RESULT 5
US-10-411-037-57
Sequence 57, Application US/10411037
Publication No. US2004004446A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA
TITLE OF INVENTION: GALACTOSIDASE A
FILE REFERENCE: 040853-01-5082
CURRENT APPLICATION NUMBER: US/10/411,037
CURRENT FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patent version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-037-57
Query Match 90.9%; Score 31.8; DB 13; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
CY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 6
US-10-411-026-57
Sequence 57, Application US/10411026
Publication No. US2004006391A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
FILE REFERENCE: 040853-01-5053
CURRENT APPLICATION NUMBER: US/10/411,026
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patent version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-026-57
Query Match 90.9%; Score 31.8; DB 13; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 7
US-10-238-681-2

Sequence 2, Application US/10238681
Publication No. US20030147885A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN B.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REEF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
FILE REFERENCE: 37003/0291808
CURRENT APPLICATION NUMBER: US/10/238,681
CURRENT FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: 08/921,060
PRIOR FILING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/149,099
PRIOR FILING DATE: 1993-11-03
PRIOR APPLICATION NUMBER: 07/978,891
PRIOR FILING DATE: 1992-11-13
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-238-681-2

Query Match 90.9%; Score 31.8; DB 15; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 8
US-10-410-962-57

Sequence 57, Application US/10410962
Publication No. US20040077836A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: GRANULOCYTE COLONY STIMULATING FACTOR: REMODELLING AND
TITLE OF INVENTION: GLYCOCONJUGATION OF G-CSF
FILE REFERENCE: 040853-01-5054
CURRENT APPLICATION NUMBER: US/10/410,962
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-962-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 9

US-10-411-049-57
Sequence 57, Application US/10411049
Publication No. US20040082026A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: INTERFERON ALPHA: REMODELLING AND GLYCOCONJUGATION OF INTERFERON
TITLE OF INVENTION: ALPHA
FILE REFERENCE: 040853-01-5055
CURRENT APPLICATION NUMBER: US/10/411,049
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-049-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 10

US-10-410-930-57
Sequence 57, Application US/10410930
Publication No. US20040115168A1

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; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: INTERFERON BETA: REMODELING AND GLYCOCONJUGATION OF INTERFERON
; FILE REFERENCE: 040853-01-5056
; CURRENT APPLICATION NUMBER: US/10/410,930
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-930-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 35
Db      962 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 996

RESULT 11
US-10-410-997-57
; Sequence 57, Application US/10410997
; Publication No. US20040126838A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: FOLICLE STIMULATING HORMONE: REMODELING AND GLYCOCONJUGATION OF
; FILE REFERENCE: 040853-01-5059
; CURRENT APPLICATION NUMBER: US/10/410,997
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-411-012-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-997-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 35
Db      962 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 996

RESULT 12
US-10-411-012-57
; Sequence 57, Application US/10411012
; Publication No. US20040132640A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: GLYCOCONJUGATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
; FILE REFERENCE: 040853-01-5051
; CURRENT APPLICATION NUMBER: US/10/411,012
; PRIOR FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-411-012-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 35
Db      962 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 996

RESULT 13
US-10-287-994-57
; Sequence 57, Application US/10287994
; Publication No. US20040137575A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
```

APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Bower, Caryn
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: REMODELING AND GLYCOCONGUGATION OF PEPTIDES
FILE REFERENCE: 040853-01-5052-00
CURRENT APPLICATION NUMBER: US/10/287,994
CURRENT FILING DATE: 2002-11-05
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATCACAGATCTCTCCACCATGAGGCTCCGCTCTAG 35
Db 962 ATCACAGATCTCTCCACCATGAGGCTCCGCTCTAG 996

US-10-410-913-57
Sequence 57, Application US/10410913
Publication No. US20040142856A1
GENERAL INFORMATION:
APPLICANT: Necose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: GLYCOCONGUGATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
FILE REFERENCE: 040853-01-5081
CURRENT APPLICATION NUMBER: US/10/410,913
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75

SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-913-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATCACAGATCTCTCCACCATGAGGCTCCGCTCTAG 35
Db 962 ATCACAGATCTCTCCACCATGAGGCTCCGCTCTAG 996

US-09-905-928-1
Sequence 1, Application US/09905928
Publication No. US20030021781A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabii
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/905,928
FILING DATE: 17-JUL-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAC 8
US-09-905-928-1

Query Match 90.9%; Score 31.8; DB 10; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.0008; 2;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

Search completed: August 23, 2004, 09:17:34
Job time : 109.315 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 128.055 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-5

Perfect score: 41
Sequence: 1 atcacagatctctaccatg.....acatgagggctcccgctcag 41

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 3228639 seqs, 245606551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Published Applications NA:*

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- 15: /cgn2_6/ptodata/2/pubpna/US03_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US02_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US01_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US00_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	100.0	41	9	US-09-850-165-63
2	41	100.0	41	10	US-09-019-441-5
3	41	100.0	41	15	US-10-103-686-5
4	41	100.0	41	15	US-10-211-357-32
5	35.4	86.3	41	9	US-09-850-165-64
6	35.4	86.3	41	15	US-10-211-357-33
7	29.6	72.2	39	9	US-09-158-180A-9
8	29.2	71.2	415	13	US-10-257-864A-75
9	29.2	71.2	415	17	US-10-389-518-75
10	28.4	69.3	371	9	US-09-604-287A-187
11	28.4	69.3	371	9	US-09-339-338-187
12	28.4	69.3	371	10	US-09-551-621-187
13	28.4	69.3	371	14	US-10-007-805-187
14	28.4	69.3	371	15	US-10-076-622-187

15	28.4	69.3	371	15	US-10-124-805-187	Sequence 187, App
16	28	68.3	45	9	US-09-925-664-63	Sequence 63, Appl
17	28	68.3	45	12	US-09-925-192-63	Sequence 35, Appl
18	28	68.3	48	10	US-09-791-153A-35	Sequence 35, Appl
19	28	68.3	52	10	US-09-791-153A-144	Sequence 144, App
20	28	68.3	53	10	US-09-972-656-112	Sequence 112, App
21	28	68.3	54	10	US-09-972-656-116	Sequence 116, App
22	28	68.3	54	15	US-10-011-931-49	Sequence 49, Appl
23	28	68.3	54	15	US-10-011-931-63	Sequence 63, Appl
24	28	68.3	54	15	US-10-269-805-74	Sequence 74, Appl
25	28	68.3	70	15	US-10-011-931-64	Sequence 64, Appl
26	28	68.3	840	9	US-09-766-543-11	Sequence 11, Appl
27	28	68.3	1415	17	US-10-656-769-57	Sequence 57, Appl
28	28	68.3	1418	17	US-10-656-769-58	Sequence 58, Appl
29	27.8	67.8	448	17	US-10-469-304-22	Sequence 22, Appl
30	27.8	67.8	448	17	US-10-693-629-49	Sequence 49, Appl
31	27.8	67.8	1394	15	US-10-320-094-11	Sequence 11, Appl
32	27.2	66.3	438	15	US-10-198-846-5398	Sequence 5398, App
33	27.2	66.3	515	15	US-10-198-846-456	Sequence 456, App
34	27.2	66.3	565	12	US-09-969-034-2618	Sequence 2618, App
35	27	65.9	44	15	US-10-257-477-5	Sequence 5, Appl
36	27	65.9	816	9	US-09-766-543-9	Sequence 9, Appl
37	26.8	65.4	70	13	US-10-272-899A-29	Sequence 29, Appl
38	26.8	65.4	110	13	US-10-272-899A-3	Sequence 3, Appl
39	26.8	65.4	114	13	US-10-272-899A-5	Sequence 5, Appl
40	26.8	65.4	290	9	US-09-796-632-4394	Sequence 4394, App
41	26.8	65.4	290	15	US-10-040-862-4394	Sequence 4394, App
42	26.8	65.4	290	16	US-10-057-475B-4394	Sequence 4394, App
43	26.8	65.4	366	9	US-09-796-632-105	Sequence 105, App
44	26.8	65.4	366	9	US-09-796-632-105	Sequence 105, App
45	26.8	65.4	366	9	US-09-796-632-549	Sequence 549, App

ALIGNMENTS

RESULT 1
US-09-850-165-63
Sequence 63, Application US/09850165
Patent No. US20020150580A1
GENERAL INFORMATION:
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: HANNA, NABIL W.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 63
LENGTH: 41
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-63
Query Match 100.0%; Score 41; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e+07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41
Db 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41

RESULT 2
US-09-019-441-5
Sequence 5, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-019-441-5
Query Match 100.0%; Score 41; DB 10; Length 41;
Best Local Similarity 100.0%; Pred.No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41
Db 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41
RESULT 3
US-10-103-686-5
Sequence 5, Application US/10103686
Publication No. US20030059424A1
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-103-686-5
Query Match 100.0%; Score 41; DB 15; Length 41;
Best Local Similarity 100.0%; Pred.No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41
Db 1 ATCACAGATCTCTCACCATGAGAGGATCCCGCTCAG 41
RESULT 4
US-10-211-357-32
Sequence 32, Application US/10211357
Publication No. US20030077275A1
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
Reff, Mitchell E.
Newman, Roland A.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/211,357
FILING DATE: 05-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:


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; APPLICATION NUMBER: US/09/612,914A
; FILING DATE: 10-Jul-2000
; APPLICATION NUMBER: US 08/523,894
; FILING DATE: 06-SEP-1995
; ATTORNEY/AGENT INFORMATION:
;   NAME: Teskin, Robin L.
;   REGISTRATION NUMBER: 35,030
;   REFERENCE/DOCKET NUMBER: 012712-165
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 703-836-6620
;   TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 32:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 41 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   ANTI-SENSE: NO
;   ORIGINAL SOURCE:
;     ORGANISM: Human or Monkey
;     POSITION IN GENOME:
;     CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
;   SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-211-357-32

Query Match      100.0%; Score 41; DB 15; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 5
US-09-850-165-64
; Sequence 64, Application US/09850165
; Patent No. US20020150580A1
; GENERAL INFORMATION:
;   APPLICANT: NEWMAN, ROLAND A.
;   APPLICANT: HANNA, NABIL
;   APPLICANT: RAAB, RONALD W.
;   TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
;   FILE REFERENCE: 037003-0280614
;   CURRENT APPLICATION NUMBER: US/09/850,165
;   PRIOR FILING DATE: 2001-05-08
;   PRIOR APPLICATION NUMBER: 09/082,472
;   PRIOR FILING DATE: 1998-05-21
;   PRIOR APPLICATION NUMBER: 08/476,237
;   PRIOR FILING DATE: 1995-06-07
;   PRIOR APPLICATION NUMBER: 08/397,072
;   PRIOR FILING DATE: 1995-04-17
;   PRIOR APPLICATION NUMBER: 07/912,292
;   PRIOR FILING DATE: 1992-07-10
;   PRIOR APPLICATION NUMBER: 07/856,281
;   PRIOR FILING DATE: 1992-03-23
;   PRIOR APPLICATION NUMBER: 07/775,064
;   PRIOR FILING DATE: 1991-07-25
;   NUMBER OF SEQ ID NOS: 114
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 64
;   LENGTH: 41
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-64

Query Match      86.3%; Score 35.4; DB 9; Length 41;
Best Local Similarity 90.2%; Pred. No. 2.9e-05;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
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QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 6
US-10-211-357-33
; Sequence 33, Application US/10211357
; Publication No. US2003007275A1
; GENERAL INFORMATION:
;   APPLICANT: Hanna, Nabil
;   APPLICANT: Newman, Roland A.
;   Ref: Mitchell E.
;   TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
;     Therapy
;   NUMBER OF SEQUENCES: 59
;   CORRESPONDENCE ADDRESS:
;     ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
;     STREET: 699 Prince Street
;     CITY: Alexandria
;     STATE: VA
;     COUNTRY: USA
;     ZIP: 22314-3187
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/10/211,357
;     FILING DATE: 05-Aug-2002
;     CLASSIFICATION: <unknown>
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US/09/612,914A
;     FILING DATE: 10-Jul-2000
;     APPLICATION NUMBER: US 08/523,894
;     FILING DATE: 06-SEP-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Teskin, Robin L.
;     REGISTRATION NUMBER: 35,030
;     REFERENCE/DOCKET NUMBER: 012712-165
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 703-836-6620
;       TELEFAX: 703-836-2021
;     INFORMATION FOR SEQ ID NO: 33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 41 base pairs
;       TYPE: nucleic acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: DNA (genomic)
;     ANTI-SENSE: NO
;     ORIGINAL SOURCE:
;       ORGANISM: Human or Monkey
;     POSITION IN GENOME:
;     CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
;     SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-10-211-357-33

Query Match      86.3%; Score 35.4; DB 15; Length 41;
Best Local Similarity 90.2%; Pred. No. 2.9e-05;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 7
US-09-158-120A-9
; Sequence 9, Application US/09158120A
; Patent No. US20020102257A1
; GENERAL INFORMATION:
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APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against
TITLE OF INVENTION: Respiratory Syncytical Virus
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARIELLA, BYRNE, BAIN, GILFILLAN, CECCHI,
ADDRESSEE: STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: P160
OPERATING SYSTEM: windows95
SOFTWARE: MS word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/158,120A
FILING DATE: September 21, 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Olstein, Elliot M.
REGISTRATION NUMBER: 24,025
REFERENCE/DOCKET NUMBER: 469201-367
TELECOMMUNICATION INFORMATION:
TELEPHONE: 973-994-1700
TELEFAX: 973-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
US-09-158-120A-9

Query Match 72.2%; Score 29.6; DB 9; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0087;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 12 CTCACCATGGACATGAGGTCCTCCGCTCAG 41
Db 9 CTCACCATGGACATGAGGTCCTCCGCTCAG 38

RESULT 8
US-10-257-864A-75
Sequence 75, Application US/10257864A
Publication No. US2004005839A1
GENERAL INFORMATION:
APPLICANT: FUKUSHIMA, NAOSHI
APPLICANT: TSUCHIYA, MASAYUKI
APPLICANT: OH-EDA, MASAYOSHI
APPLICANT: KIKUCHI, YASUFUMI
APPLICANT: GOTEMBA-SHI, OHTOMO
TITLE OF INVENTION: AGONIST ANTIBODIES
FILE REFERENCE: 065678-0107
CURRENT APPLICATION NUMBER: US/10/257,864A
CURRENT FILING DATE: 2003-07-24
PRIOR APPLICATION NUMBER: PCT/JP01/03288
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: PCT/JP01/01912
PRIOR FILING DATE: 2001-03-12
PRIOR APPLICATION NUMBER: JP2000-115246
PRIOR FILING DATE: 2000-04-17
PRIOR APPLICATION NUMBER: JP2000-321821

PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: JP2000-321822
PRIOR FILING DATE: 2000-10-20
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 75
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (12)..(398)
OTHER INFORMATION: HEF-12B5H-g kappa, 12-398 peptide
US-10-257-864A-75

Query Match 71.2%; Score 29.2; DB 13; Length 415;
Best Local Similarity 91.2%; Pred. No. 0.015;
Matches 31; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 8 ATCTCACCATGGACATGAGGTCCTCCGCTCAG 41
Db 2 AGCTTCACCATGGACATGAGGTCCTCCGCTCAG 35

RESULT 9
US-10-399-518-75
Sequence 75, Application US/10399518
Publication No. US20040091475A1
GENERAL INFORMATION:
APPLICANT: TSUCHIYA, MASAYUKI
APPLICANT: OHTOMO, TOSHITAKO
APPLICANT: YABUTA, NAOHITO
APPLICANT: TSUNODA, HIROYUKI
APPLICANT: ORITA, TETSURO
TITLE OF INVENTION: DEGRADED TPO AGONIST ANTIBODY
FILE REFERENCE: 065678/0111
CURRENT APPLICATION NUMBER: US/10/399,518
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: PCT/JP01/03288
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: JP 2001-277314
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: JP 2000-321821
PRIOR FILING DATE: 2000-10-20
NUMBER OF SEQ ID NOS: 183
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 75
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (12)..(398)
OTHER INFORMATION: HEF-12B5H-g kappa, 12-398 peptide
US-10-399-518-75

Query Match 71.2%; Score 29.2; DB 17; Length 415;
Best Local Similarity 91.2%; Pred. No. 0.015;
Matches 31; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 8 ATCTCACCATGGACATGAGGTCCTCCGCTCAG 41
Db 2 AGCTTCACCATGGACATGAGGTCCTCCGCTCAG 35

RESULT 10
US-09-604-287A-187/c
Sequence 187, Application US/09604287A
Patent No. US20020064872A1
GENERAL INFORMATION:
APPLICANT: Jiang, Yugu
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.

```

; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-604-287A-187

Query Match      69.3%; Score 28.4; DB 9; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCACCATGACATGAGGGTCCCGCTCAG 337

RESULT 11
US-09-339-338-187/c
; Sequence 187, Application US/09339338A
; Patent No. US20020102602A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-339-338-187

Query Match      69.3%; Score 28.4; DB 9; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCACCATGACATGAGGGTCCCGCTCAG 337

RESULT 12
US-09-551-621-187/c
; Sequence 187, Application US/09551621
; Publication No. US20030104366A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C5
; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-551-621-187

Query Match      69.3%; Score 28.4; DB 10; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCACCATGACATGAGGGTCCCGCTCAG 337

RESULT 13
US-10-007-805-187/c
; Sequence 187, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepier, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margareta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-007-805-187

Query Match      69.3%; Score 28.4; DB 14; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCACCATGACATGAGGGTCCCGCTCAG 337

RESULT 14
US-10-076-622-187/c
; Sequence 187, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleach, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-076-622-187
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Mon Aug 23 09:35:10 2004

us-09-292-053a-4.rmpb

Page 1

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
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19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	407.8	99.2	411	15	US-10-103-686-4
3	285.8	69.5	1710	16	US-10-291-265-99
4	285.8	69.5	1721	16	US-10-291-265-96
5	284.8	69.3	408	16	US-10-309-762-112
6	282	68.6	414	16	US-10-309-764-126
7	278.8	67.8	414	16	US-10-309-764-130
8	273.8	66.6	405	16	US-10-309-764-94
9	272.8	66.4	405	16	US-10-309-764-122
10	272.4	66.3	414	15	US-10-401-344-5
11	272.4	66.3	414	16	US-10-309-764-134
12	272.4	66.3	2002	15	US-10-401-344-1
13	272.2	66.2	405	16	US-10-309-764-58
14	272.2	66.2	405	16	US-10-309-764-70

15	272.2	66.2	405	16	US-10-309-764-118	Sequence 118, App
16	270.6	65.8	405	16	US-10-309-764-98	Sequence 98, App
17	270.6	65.8	411	9	US-09-423-800-58	Sequence 58, Appl
18	270.6	65.8	411	13	US-10-344-333-58	Sequence 58, Appl
19	270.6	65.8	411	15	US-10-182-018-58	Sequence 58, Appl
20	270.6	65.8	411	15	US-10-169-003-58	Sequence 58, Appl
21	270.6	65.8	411	15	US-10-337-981-58	Sequence 58, Appl
22	270.6	65.8	411	15	US-10-309-764-102	Sequence 102, App
23	269.2	65.5	1458	16	US-10-291-265-191	Sequence 191, App
24	269	65.5	405	16	US-10-309-764-78	Sequence 78, App
25	268.4	65.3	510	17	US-10-469-304-16	Sequence 16, Appl
26	268.4	65.3	690	15	US-10-128-237-73	Sequence 73, Appl
27	268.4	65.3	690	15	US-10-105-891-73	Sequence 73, Appl
28	268	65.2	404	16	US-10-309-764-74	Sequence 74, Appl
29	267.6	65.1	414	16	US-10-109-764-86	Sequence 86, Appl
30	266.6	64.9	1426	13	US-10-180-648-1	Sequence 1, Appl
31	265.8	64.7	405	16	US-10-309-764-62	Sequence 62, Appl
32	265.8	64.7	405	16	US-10-309-764-66	Sequence 66, Appl
33	265.8	64.7	405	16	US-10-309-764-138	Sequence 138, App
34	265.2	64.5	520	9	US-09-844-684-10	Sequence 10, Appl
35	265.2	64.5	520	15	US-10-040-244-10	Sequence 10, Appl
36	265.2	64.5	520	17	US-10-693-629-59	Sequence 59, Appl
37	264.8	64.4	1741	16	US-10-291-265-97	Sequence 97, Appl
38	264.2	64.3	405	16	US-10-309-764-82	Sequence 82, Appl
39	264.2	64.3	405	16	US-10-309-764-90	Sequence 90, Appl
40	264.2	64.3	630	9	US-09-844-684-14	Sequence 14, Appl
41	264.2	64.3	630	15	US-10-040-244-14	Sequence 14, Appl
42	264.2	64.3	630	17	US-10-693-629-63	Sequence 63, Appl
43	263.2	64.0	1736	16	US-10-291-265-98	Sequence 98, Appl
44	261.6	63.6	410	13	US-10-362-082-3	Sequence 3, Appl
45	261	63.5	580	9	US-09-844-684-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-019-441-4
Sequence 4, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takeniko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWICKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35, 030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021


```
/ PRIOR APPLICATION NUMBER: 09/491,404
/ PRIOR FILING DATE: 2000-01-25
/ PRIOR APPLICATION NUMBER: 09/617,746
/ PRIOR FILING DATE: 2000-07-17
/ PRIOR APPLICATION NUMBER: 09/631,451
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: 09/633,870
/ PRIOR FILING DATE: 2000-09-15
/ NUMBER OF SEQ ID NOS: 944
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 99
/ LENGTH: 1710
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (162)..(1253)
US-10-291-265-99
```

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Query Match      69.3%; Score 285.8; DB 16; Length 1710;
Best Local Similarity 83.3%; Pred. No. 1.8e-79;
Matches 339; Conservative 0; Mismatches 62; Indels 6; Gaps 1;
```

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QY 1 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTTGAAAGGTGTCAGTGTAG 60
162 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTAAAGGTGTCAGTGTAG 221
DB 61 GTGAGCTGTGTAGTGTGGGGGCGGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 120
222 GTGAGCTGTGTAGTGTGGGGGCGGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 281
QY 121 TGGCAGGCTCCGGGCTGAGCTTCACTTCAATTAATTAATTAATTAATTAATTA 180
282 TGTGCAAGCTCTG-----GATTCACCTTTAGCAGTTTTCGATGAGCTGGTCCGCG 335
DB 181 GCTCCAGGCGCAGGGGCTGAGTGTGCTTCACTTCAATTAATTAATTAATTAATTA 240
336 GCTCCAGGCGCAGGGGCTGAGTGTGCTTCACTTCAATTAATTAATTAATTAATTA 395
QY 241 TACGAGACTCCGTTGAAGGCGAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 300
396 TACGAGACTCCGTTGAAGGCGGCTTCACTTCAATTAATTAATTAATTAATTAATTA 455
DB 301 TTCTTCAATGAACAAGCCTTGAAGGCTGAGGACACGCGCTGTCTATTACTGTGAGCTTG 360
456 TATCTGCAAAATGAACAAGCCTTGAAGGCGGCTTCACTTCAATTAATTAATTAATTA 515
QY 361 ACTACAGGCTGCTGACTCTGAGGCGCAGGAGTCTGTGTCACCCGCTC 407
516 TTTCGTAATTTTGACTGCTGAGGCGCAGGAGTCTGTGTCACCCGCTC 562
DB
```

RESULT 4

```
US-10-291-265-96
/ Sequence 96, Application US/10291265
/ Publication No. US20030232054A1
/ GENERAL INFORMATION:
/ APPLICANT: Hyseq, Inc.
/ APPLICANT: Tang et al
/ TITLE OF INVENTION: No. US20030232054A1el Nucleic Acids and Polypeptides
/ FILE REFERENCE: 21272-017 (785)
/ CURRENT APPLICATION NUMBER: US/10/291,265
/ PRIOR FILING DATE: 2000-01-25
/ PRIOR APPLICATION NUMBER: 09/491,404
/ PRIOR FILING DATE: 2000-01-25
/ PRIOR APPLICATION NUMBER: 09/617,746
/ PRIOR FILING DATE: 2000-07-17
/ PRIOR APPLICATION NUMBER: 09/631,451
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: 09/633,870
/ PRIOR FILING DATE: 2000-09-15
/ NUMBER OF SEQ ID NOS: 944
/ SOFTWARE: FastSeq for Windows Version 3.0
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/ SEQ ID NO 96
/ LENGTH: 1721
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (162)..(1085)
US-10-291-265-96
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Query Match      69.5%; Score 285.8; DB 16; Length 1721;
Best Local Similarity 83.3%; Pred. No. 1.8e-79;
Matches 339; Conservative 0; Mismatches 62; Indels 6; Gaps 1;
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QY 1 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTTGAAAGGTGTCAGTGTAG 60
162 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTAAAGGTGTCAGTGTAG 221
DB 61 GTGAGCTGTGTAGTGTGGGGGCGGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 120
222 GTGAGCTGTGTAGTGTGGGGGCGGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 281
QY 121 TGGCAGGCTCCGGGCTGAGCTTCACTTCAATTAATTAATTAATTAATTAATTA 180
282 TGTGCAAGCTCTG-----GATTCACCTTTAGCAGTTTTCGATGAGCTGGTCCGCG 335
DB 181 GCTCCAGGCGCAGGGGCTGAGTGTGCTTCACTTCAATTAATTAATTAATTAATTA 240
336 GCTCCAGGCGCAGGGGCTGAGTGTGCTTCACTTCAATTAATTAATTAATTAATTA 395
QY 241 TACGAGACTCCGTTGAAGGCGAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 300
396 TACGAGACTCCGTTGAAGGCGGCTTCACTTCAATTAATTAATTAATTAATTAATTA 455
DB 301 TTCTTCAATGAACAAGCCTTGAAGGCTGAGGACACGCGCTGTCTATTACTGTGAGCTTG 360
456 TATCTGCAAAATGAACAAGCCTTGAAGGCGGCTTCACTTCAATTAATTAATTAATTA 515
QY 361 ACTACAGGCTGCTGACTCTGAGGCGCAGGAGTCTGTGTCACCCGCTC 407
516 TTTCGTAATTTTGACTGCTGAGGCGCAGGAGTCTGTGTCACCCGCTC 562
DB
```

RESULT 5

```
US-10-309-762-112
/ Sequence 112, Application US/10309762
/ Publication No. US20040018198A1
/ GENERAL INFORMATION:
/ APPLICANT: Gudas, Jean
/ APPLICANT: Folz, Ian
/ APPLICANT: Hands, Masahisa
/ APPLICANT: Gallo, Michael
/ TITLE OF INVENTION: ANTIBODIES AGAINST CARBOXYIC ANHYDRASE IX
/ FILE REFERENCE: ABGENIX (CA IX) TUMOR ANTIGEN
/ CURRENT APPLICATION NUMBER: US/10/309,762
/ PRIOR FILING DATE: 2002-12-02
/ PRIOR APPLICATION NUMBER: 60/337275
/ PRIOR FILING DATE: 2001-12-03
/ NUMBER OF SEQ ID NOS: 246
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 112
/ LENGTH: 408
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-309-762-112
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```
Query Match      69.3%; Score 284.8; DB 16; Length 408;
Best Local Similarity 84.1%; Pred. No. 2.5e-79;
Matches 348; Conservative 0; Mismatches 57; Indels 9; Gaps 2;
```

```
QY 1 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTTGAAAGGTGTCAGTGTAG 60
1 ATGAGATTGGAGCTGAGCTGGATTTCCTTCTTCTTAAAGGTGTCAGTGTAG 60
DB
```

QY 6 GTGAGAGTGTGAGAGTCTGGGGGGCGCTTGGCAAAAGCTGGGGGGAGTCCCTAGACTCTCC 120

Db 61 GTGAGTGTGTGAGTGTGGGGGAGGCCGTGGCAAGCTCGGGGGTCCCTAGACTCTCC 120

QY 121 TGGGACGCTCCCGGGATTCAAGTTTCACTTTCAATTAACACTACTAGACTGGGTCCGCAG 180

Db 121 TGTGCACCTCTG-----GATTCACCTTCAGTAATTTTAGAGTAAGCTGGGTCCGCAG 174

QY 181 GCTCCAGGGCAGGGGCTGAGTAGTGGTCTCAGCTATTAGTAGTAGTGGTGAATCCACATGG 240

Db 175 GCTCCAGGGGAGGGGCTGAGTAGTGGGTCTCATCATTACTAGTAGTAGTGAATATATAC 234

QY 241 TAGGACAGCTCCGCTGAAGGGCAGATTCAACATCTCCAGAGGAATGCCAACAACACTG 300

Db 235 TAGCAGACTCACTGAAGGGCCGATTACCACTTCCAGAGCAACGCCAACAATCACTG 294

QY 301 TTCTTCGAATGAACAGCCTGAGAGCTGAGAGCAACGGCTGTCTATTACTGTGCAGACTTG 360

Db 295 TATCTGCAATGAACAGCCTGAGAGCCAGAGCAACGGCTGTGTATTACTGTGCAGATTT 354

QY 361 A-----CTACAGGGGTCTACTCTCTGGGGCCAGGGGAGTCTGTGCAACCGTCTCTCA 411

Db 355 ACAGCTATAGCCTTACTACTCTAGGGGCCAGGGAACCTGTGTACCGTCTCTCA 408

```

RESULT 6
US-10-309-764-126
; Sequence 126, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
;   APPLICANT: Folitz, Ian
;   APPLICANT: Babcock, John
;   APPLICANT: Palachumpat, Raju
;   APPLICANT: Yang, Xiao-dong
;   APPLICANT: King, Chadwick T.
;   TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
;   TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
;   FILE REFERENCE: ABGENIX.029A
;   CURRENT APPLICATION NUMBER: US/10/309,764
;   CURRENT FILING DATE: 2002-12-02
;   PRIOR APPLICATION NUMBER: 60/337,276
;   PRIOR FILING DATE: 2001-12-03
;   NUMBER OF SEQ ID NOS: 147
;   SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO 126
;   LENGTH: 414
;   TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-309-764-126

```

	Query Match	Score	282;	DB 16;	Length	414;
	Best Local Similarity	83.3%	Pred. No.	1.9E-18;		
	Matches	350;	Conservative	0;	Mismatches	55;
					Indels	15;
					Gaps	2
QY	1	ATGGAATTGGGCTAGAGCTGGGCTTCTCTGTCTCTTTTGAAGGTGTCACGTGTAG	60			
Db	1	ATGGAATTGGGCTTAGCTGGGCTTCTCTGTCTCTTTTGAAGGTGTCACGTGTAG	60			
QY	61	GTGCACCTGTGTGAAGTTGGGGGGCGGCTTGGCAAGCTGGGGGCTCCTGACACTCTCC	120			
Db	61	GTGCACCTGTGTGAAGTTGGGGGGAGGCTTGTGTCAAGCTGGAGGCTCCTGCAACACTCC	120			
QY	121	TGGCGAGCCTCCGGGCTTCAGGTTCACTTCATATACTACTACATAGAGCTGGGTCCGCCAG	180			
Db	121	TGGCGAGCCTCTG-----GATTCACTTCAATTAACTACTACATAGACTGGATCCGCCAG	174			
QY	181	GCTCCAGGGCAGGGGCTGAGTGGGTCTCAGCTATTAGTAGTGGTGTATCCCAATGG	240			
Db	175	GCTCCAGGGAGAGGGCTGAGTGGGTTTCAATCAATTAGTCTTAGTGGCACTACCAATTAC	234			
QY	241	TACGCAAGTCCGTGAAGGGCAGATTCCACTTCCAGAGAGAACGCCAACCAACACTTG	300			

D_b 235 TAGCAGACTGTGTGAGGCGCGATTCACATCTCCAGGACAAAGCCAGACATCACTG 299

O_y 301 TTCTTCAATGACAGCCTGTAGACTGAGGACAGCGGTGTCTATTATCTGTGCAGGTTG 360

D_b 295 TTCTTCATTTAACAAGCCTGAGACCGAGACAGACAGCGCGGTATTACTGTGCAGAAAG 350

O_y 361 AC-----TACAGGCTGACTCTCTGGGGCCAGGAGTCTCTGTACCGTCTCTCA 411

D_b 355 GGGCGTACGCGTGTACTTTTATCACTAGGGGCCAGGAGACCCCTGTGTACCGTCTCTCA 414

```

RESULT 7
US-10-309-764-130
; Sequence 130, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
; APPLICANT: Foltz, Ian
; APPLICANT: Babcook, John
; APPLICANT: Palathumatt, Raju
; APPLICANT: Yang, Xiao-dong
; APPLICANT: King, Chadwick T
; TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
; TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
; FILE REFERENCE: AGENIX.029A
; CURRENT APPLICATION NUMBER: US/10/309,764
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337,276
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 130
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-309-764-130

```

Query Match	67.8%	Score 278.8	DB 16	Length 414
Best Local Similarity	82.9%	Pred. No. 2e-77		
Matches 348	Conservative 0	Mismatches 57	Indels 15	Gaps 2

QY	1	ATGAGATTGGGCTGAGCTGGGTTTCTTCTGTTCTCTTTGAAAGGTGCAGTGTGAG	60
DY	1	ATGGAAATTGGGCTGGCGCTGGGGTTTCCATGTGTCTATTATAAAGGTGTCCAGTGTGAG	60
QY	61	GTGCAGCTGTGTGAGTCTGGGGGGCGGCTTGCGAAAGCTGGGGGGGTCCTGAGACTCTCC	120
DB	61	GTGCAGCTGTGTGAGTCTGGGGGGAGGCTTGGTCAAGCTGTGAGGGTCCCTGAGACTCTCC	120
QY	121	TGCGAGCCTCCGGGTTCCAGTTTCACCTTCAATPACTACTACATGACAGTGGTCCGCAG	180
DB	121	TGTGCAGCCTCTG-----GATTACCTTCAATGTCTACTACATGAACCTGATCCGCAG	174
QY	181	GGTCCAGGGGAGGGGCTGGAGTGGGTCTACGTAATTAGTAGTGGGTATGCCACATGG	240
DB	175	GCTCCAGGAAAGGGCTGGAGTGGGTTTCAATTAATTAGTACTGTAGTGTGCCATTAC	234
QY	241	TACGCAGACTCCGTGAAGGGCAATTCACCATCTCCAGAGAGAACGCCAACACACTG	300
DB	235	TACGCAGACTCTGTGAAGGGCGCATTCACCATCTCCAGGGAAACAATGCCAAGACACTG	294
QY	301	TTTCTTCAATGAACAGCTGAGAGCTGAGAGACAGCGCTGTATTAATCTGTCGAGCTTG	360
DB	295	TATCTCAATGAACAGCTGTGAGGCCGAGAGAACCGGCTGTATTAATCTGTCCGAAAG	354
QY	361	ACT-----ACAGAGGTCTGACTCTCTGGGGCAGAGGAGTCTGTGTCAACCGTCTCTCA	411
DB	355	ACTGATCTACAGCGGTCTTTGACTACTGTGGGCGCAAGGAACCTGTGTCAACCGTCTCTCA	414

RESULT 8
US-10-309-764-94
; Sequence 94, Application US/10309764
; Publication No. US20030232009A1


```

/ GENERAL INFORMATION:
/ APPLICANT: Babcock, John
/ APPLICANT: Palathumpat, Raju
/ APPLICANT: Yang, Xiao-dong
/ APPLICANT: King, Chadwick T.
/ TITLE OF INVENTION: ANTI-CDR4SRB ANTIBODIES FOR USE IN
/ FILE REFERENCE: ABGENIX.029A
/ CURRENT APPLICATION NUMBER: US/10/309,764
/ CURRENT FILING DATE: 2002-12-02
/ PRIOR APPLICATION NUMBER: 60/337,276
/ PRIOR FILING DATE: 2001-12-03
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 94
/ LENGTH: 405
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-10-309-764-94

Query Match          66.6%; Score 273.8; DB 16; Length 405;
Best Local Similarity 81.0%; Pred. No. 7.3e-76;
Matches 333; Conservative 0; Mismatches 72; Indels 6; Gaps 1

QY      1 ATGGAAGTTGGGCGTGAAGCTGGGATTTTCCTTGTCTCTTTTGAAAAGGTGCCAGTGTGAG 60
DB      1 ATGGAAGTTGGGCGTGGCTGGCTGGCTGTTTCTCGTGTCTCTTTTAAAGGTGCCAGTGTGAG 60

QY      61 GTGCAGCTGGTGGAGTCTGGGGGCGGGCTTGGCAAGCCTGGGGGGTCCCTGAGACTCTCC 120
DB      61 GTGCAGCTGGTGGAGTCTGGGGGAGGCGTGTCCAGCCTGGGAGGTCCTGGAGTCTCC 120

QY      121 TGGCAGCCTCCGGGCTTCAGTTCACTTCATTAATCACTACATGAGACTGGATCCGCCAG 180
DB      121 TGTGCAAGCGCTG-----GATTCACCTTCAGTAATCACTGAGCATGAGCACTGGATCCGCCAG 174

QY      181 GCTCCAGGGGAGGGGCGCTGAGAGTGGGCTCTCAGGTATTAGTAAGTGTGATCCCAATGG 240
DB      175 GCTCCAGGGCAAGGGGCGCTGAGAGTGGGAGTAAATGATGATGAGAAAGAAAAATTC 234

QY      241 TAGCAGACCTCCGTGAAGGGGAGATTCACCATCTCCAGAGAAAGGCCAACAACACTG 300
DB      235 TAGCAGACTCCCTGAAGGGCCGATTCACCATCTCCAGAGCAATTCACAGAACAGCTG 294

QY      301 TTTCCTCAATGAACAGCCTGAGAGCTGAGGACACAGGCTGTCTATTACTGTGGAGCTTG 360
DB      295 TCTCTGCAATGAGCAGCCTGAGAGCGGAGCAAGCGCTGTGTATTACTGTGGCAGAGGC 354

QY      361 ACTACAGGGGTGTAATCTCTGGGGGCCAGGGGAGTCTGTCACACGTCCTCTCA 411
DB      355 GGTGGGGAATTTGACTTCTTGGGGGCCAGGGAAACCTGTGACCGATCTCTCA 405

RESULT 9
US-10-309-764-122
/ Sequence 122, Application US/10309764
/ Publication No. US20030232009A1
/ GENERAL INFORMATION:
/ APPLICANT: Foltz, Ian
/ APPLICANT: Babcock, John
/ APPLICANT: Palathumpat, Raju
/ APPLICANT: Yang, Xiao-dong
/ APPLICANT: King, Chadwick T.
/ TITLE OF INVENTION: ANTI-CDR4SRB ANTIBODIES FOR USE IN
/ FILE REFERENCE: ABGENIX.029A
/ CURRENT APPLICATION NUMBER: US/10/309,764
/ CURRENT FILING DATE: 2002-12-02
/ PRIOR APPLICATION NUMBER: 60/337,276
/ PRIOR FILING DATE: 2001-12-03
/ NUMBER OF SEQ ID NOS: 147
/ SOFTWARE: FastSeq for Windows Version 4.0
/

```

```

; SEQ ID NO 122
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (0)...(0)
; OTHER INFORMATION: n = A, T, C or G
US-10-309-764-122

Query Match      66.4%; Score 272.8; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 1.5e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1;

QY      1 ATGAGATTGGGCTGAAGTGTGGTTTCCTTGTTCCCTTTTGAAGAAGTGTCCAATGTGAG 60
DB       1 ATGAGATTGGGCTGACCTGGGTTTCTCGTTCCTCTTTTAAGAGGTGCCAAGTGCAG 60

QY      61 GTGCACTGTGTGAAGTCTGGGGGGGCGCTTGGCAAAGCCTGGGGGTCCCTGAGACTCC 120
DB       61 GTGAGCTGTGGAGTGTGGGGGGGCGCTTGGCAAAGCCTGGGGGTCCCTGAGACTTCC 120

QY      121 TGCCAGCTCTCGGGGTTCAGGTTACCTTCATTACTACATACTGACATGACATGCGCTCCG 180
DB       121 TGTCACGCTGTG-----GATTACCTTCAGTACTCATGCAATGCAATGCACTGGGTCCG 174

QY      181 GCTCCAGGGCAGGGGCTGTGAAGTGGTCTCACGTTATGATGATGTGTAATCCCACTGG 240
DB       175 GCTCCAGGCAAGGGGCTGTGAAGTGGTGGCAATTATGATGATGATGAAGTAAAAAAATTC 234

QY      241 TAGCCAGACTCCGTGAAGGGCAGATTACCACATCTCCAGAGAAAGCGCAACAACACTG 300
DB       235 TATCGAGCTCTCGTAGAGGCGCCGATTACCATCTCCAGAGAAATTCACACACACGCTG 294

QY      301 TTCTTCATAATGAACAGCCTGAGACTGAGAGACAGCGCTGTATTACTGTGAGCTTG 360
DB       295 TATCTGACACGTGAACAGCTGTAGAGTGCAGAGAACCGCTGTGATTACTGTGCGAGAGG 354

QY      361 ACTACAGGCTGTACTCTGTGGGCGCAGAGAGTCTGTGTACCCGCTCTCA 411
DB       355 GGCGGTACATTGACTTCTGTGGGGCCAGGGAACTGTGTACCGCTCTCA 405

RESULT 10
US-10-401-344-5
; Sequence 5, Application US/10401344
; Publication No. US2003019440A1
; GENERAL INFORMATION:
; APPLICANT: Schering Corporation and Abgenix, Inc.
; APPLICANT: Greenfeder, Scott
; APPLICANT: Corvahan, Jose
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO INTERLEUKIN-5 AND METHODS AND COMPOSITIONS THEREOF
; FILE REFERENCE: L101564W1
; CURRENT APPLICATION NUMBER: US/10/401,344
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-401-344-5

Query Match      66.3%; Score 272.4; DB 15; Length 414;
Best Local Similarity 81.9%; Pred. No. 2e-75;
Matches 344; Conservative 0; Mismatches 61; Indels 15; Gaps 2;

QY      1 ATGAGATTGGGCTGAAGTGTGGTTTCCTTGTTCCCTTTTGAAGAAGTGTCCAATGTGAG 60
DB       1 ATGAGATTGGGCTGAAGTGTGGTTTCCTTGTTCCCTTTTGAAGAAGTGTCCAATGTGAG 60

QY      61 GTGCACTGTGTGAAGTCTGGGGGGGCGCTTGGCAAAGCCTGGGGGTCCCTGAGACTCC 120
DB       61 GTGAGCTGTGGAGTGTGGGGGGGCGCTTGGCAAAGCCTGGGGGTCCCTGAGACTTCC 120

QY      121 TGCCAGCTCTCGGGGTTCAGGTTACCTTCATTACTACATACTGACATGACATGCGCTCCG 180
DB       121 TGTCACGCTGTG-----GATTACCTTCAGTACTCATGCAATGCAATGCACTGGGTCCG 174

QY      181 GCTCCAGGGCAGGGGCTGTGAAGTGGTCTCACGTTATGATGATGTGTAATCCCACTGG 240
DB       175 GCTCCAGGCAAGGGGCTGTGAAGTGGTGGCAATTATGATGATGATGAAGTAAAAAAATTC 234

QY      241 TAGCCAGACTCCGTGAAGGGCAGATTACCACATCTCCAGAGAAAGCGCAACAACACTG 300
DB       235 TATCGAGCTCTCGTAGAGGCGCCGATTACCATCTCCAGAGAAATTCACACACACGCTG 294

QY      301 TTCTTCATAATGAACAGCCTGAGACTGAGAGACAGCGCTGTATTACTGTGAGCTTG 360
DB       295 TATCTGACACGTGAACAGCTGTAGAGTGCAGAGAACCGCTGTGATTACTGTGCGAGAGG 354

QY      361 ACTACAGGCTGTACTCTGTGGGCGCAGAGAGTCTGTGTACCCGCTCTCA 411
DB       355 GGCGGTACATTGACTTCTGTGGGGCCAGGGAACTGTGTACCGCTCTCA 405

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Db      61 GTGAGCTGTGGAGTCTGGGGAGGCTTGTACAGCTGGGGGGTCCCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTACCTTCAATATACATACATGAGCTGGGCGCCAG 180
Db      121 TGTGACACTCTG-----GATTCACCTTTAGCAGCTAGCCATGAGCTGGGTCCGCG 174
Qy      181 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATGG 240
Db      175 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATAC 234
Qy      241 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
Db      235 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 294
Qy      301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAGGCTGTCTATTACTGTGCGAGCTTG 360
Db      295 TATCTGCAATGAACAGCTGAGAGCAGGAGCAGGAGCAGGAGCAGGAGCAGGAGCAGGAG 354
Qy      361 A-----CTACAGGCTGTGACTCTGGGGGCGAGGAGTCTGTGTCACCGTCTCTCA 411
Db      355 AGGTATTACTGGAATTACTACTACTGTGGGGCGAGGAGAACCTGTGTACCGTCTCTCA 414

```

RESULT 11

```

US-10-309-764-134
; Sequence 134, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
; APPLICANT: Foltz, Ian
; APPLICANT: Babcock, John
; APPLICANT: Palathumpat, Raju
; APPLICANT: Yang, Xiao-dong
; APPLICANT: King, Chadwick T.
; TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
; TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
; FILE REFERENCE: ABGENIX. 029A
; CURRENT APPLICATION NUMBER: US/10/309,764
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337,276
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 134
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-309-764-134

```

```

Query Match      66.3%; Score 272.4; DB 16; Length 414;
Best Local Similarity 81.9%; Pred. No. 2e-75;
Matches 344; Conservative 0; Mismatches 61; Indels 15; Gaps 2;

```

```

Qy      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Db      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Qy      61 GTGACAGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Db      61 GTGACAGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTACCTTCAATTAATACTAGATGAGCTGGGTCGCGCAG 180
Db      121 TGTGACACTCTGATTCAG-----CTTCAGTGGCTACTACTGAGCTGGAGTCCGCGCAG 174
Qy      181 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATGG 240
Db      175 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATGG 234
Qy      241 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
Db      235 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 294

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Qy      301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAGGCTGTCTATTACTGTGCGAGCTTG 360
Db      295 CATCTGCAATGAACAGCTGAGAGCAGGAGCAGGAGCAGGAGCAGGAGCAGGAGCAGGAGG 354
Qy      361 ACT-----AAGGCTGTGACTCTGGGGGCGAGGAGTCTGTGTCACCGTCTCTCA 411
Db      355 ACTGGAATTAAGAGGCTGTGACTACTGTGGGGCGAGGAGAACCTGTGTACCGTCTCTCA 414

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RESULT 12

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US-10-401-344-1
; Sequence 1, Application US/10401344
; Publication No. US20030194404A1
; GENERAL INFORMATION:
; APPLICANT: Scheering Corporation and Abgenix, Inc.
; APPLICANT: Corvalan, Jose
; APPLICANT: Greenfeder, Scott
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO INTERLEUKIN-5 AND METHODS AND COM
; TITLE OF INVENTION: COMPRISING SAME
; FILE REFERENCE: L101564W1
; CURRENT APPLICATION NUMBER: US/10/401,344
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 2002
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: V_region
; LOCATION: (1)..(414)
; OTHER INFORMATION:
; NAME/KEY: CH1_C_region
; LOCATION: (415)..(709)
; OTHER INFORMATION:
; NAME/KEY: Hinge
; LOCATION: (1102)..(1137)
; OTHER INFORMATION:
; NAME/KEY: CH2_C_region
; LOCATION: (1256)..(1585)
; OTHER INFORMATION:
; NAME/KEY: CH3_C_region
; LOCATION: (1683)..(2002)
; OTHER INFORMATION:
; US-10-401-344-1

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Query Match      66.3%; Score 272.4; DB 15; Length 2002;
Best Local Similarity 81.9%; Pred. No. 3.1e-75;
Matches 344; Conservative 0; Mismatches 61; Indels 15; Gaps 2;

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Qy      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Db      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Qy      61 GTGACAGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Db      61 GTGACAGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTACCTTCAATTAATACTAGATGAGCTGGGTCGCGCAG 180
Db      121 TGTGACACTCTG-----GATTCACCTTTAGCAGCTAGTCCATGAGCTGGGTCCGCGCAG 174
Qy      181 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATGG 240
Db      175 GCTTCAGGAGGAGGGCTGAGTGGGGTCTCAGTATTAGTAGTAGTGTGATCCACATGG 234
Qy      241 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
Db      235 TAGCGAGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 294

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QY	301	TTTCTTCAATGAACAGCCTGAGACTAGACACAGCGCTGCTATTACTGTGACGCTTG	360
Db	295	TATGTGCAATGAACAGCCTGAGACCGACGACACAGCGCGTATATTACTGTGGAAAGG	354
QY	361	A-----CTACAGGGTCTGACTCTTGCGGGCCAGGAGTCTTGTCACCGTCTCTCA	411
Db	355	AGGTATTAACGTGAACACTACACTACTGCGGGCCAGGAAACCTGTGCACCGTCTCTCA	414

RESULT 13			
US-10-309-764-58			
Sequence 58, Application US/10309764			
Publication No. US20030232009A1			
GENERAL INFORMATION:			
APPLICANT: Folitz, Ian			
APPLICANT: Babcock, John			
APPLICANT: Palachumpat, Raju			
APPLICANT: Wang, Xiao-dong			
APPLICANT: King, Chadwick T.			
TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN			
FILE REFERENCE: ABGENIX.029A			
CURRENT APPLICATION NUMBER: US/10/309,764			
PRIOR FILING DATE: 2002-12-02			
PRIOR APPLICATION NUMBER: 60/337,276			
PRIOR FILING DATE: 2001-12-03			
NUMBER OF SEQ ID NOS: 147			
SOFTWARE: FastSeq for Windows Version 4.0			
SEQ ID NO 58			
LENGTH: 405			
TYPE: DNA			
ORGANISM: Homo sapiens			
US-10-309-764-58			

Query Match	66.2%;	Score 272.2;	DB 16;	Length 405;
Best Local Similarity	80.8%;	Pred. No. 2.3e-75;		
Matches 333;	Conservative	0;	Mismatches 73;	Indels 6;
			Gaps	1

QY	1	ATGSAAGTTGGGCGTGAAGCTGGGTTTTCCTGTGTCCTCTTTTGAAGAAGTGTCAGTGTAG	60
Db	1	ATGSAATTTGGACTGTGGCTTGCGGTTTTCCTCGTTGCTCTTTTAGAGGTGTCCAGTGTACG	60
QY	61	GTGCAGCTGTGTGAGTCTGTGGGGCGGCTTGGCAAAGCCTGTGGGGGTCCCTGAGACTCTCC	120
Db	61	GTGCAATTTGTGTGAGTCTGTGGGGGAGCGGTGTCCAGCCTGTGGAGGTCCCTGAGACTCTCC	120
QY	121	TGGGCAAGCCTCCGGGTTCAAGTTTCACTTCAATTAACATCAATGAGCTGGGGTCCGGCAG	180
Db	121	TGTGCAAGCGCTG-----GATTCACTTTCAGTAACATTAAGTATGATGTGTAATCCACATGG	174
QY	181	GCTCCAGGGCAGGGGCTGTGAGTGGGTCTCAAGTATATGATGTGTAATCCACATGG	240
Db	175	GCTCCAGGCAAGGGGCTGTGAGTGGGTGACATTAATGATGTGTAATTAATATAC	234
QY	241	TAGCGAGACTCCGTGAAGGGCAGATTACCAATTTCCAGAGAGAACGCCAACACACACTG	300
Db	235	TATGCAAGACTCCGTGAAGGGCCGATTACCAATTTCCAGAGAGCAATTTGAAGAACACGCTG	294
QY	301	TTTCTTCAATGAACAGCCTGAGACTAGACACAGCGCTGTCTATTACTGTGCAAGCTTG	360
Db	295	TATCTGCAATGAACAGCCTGAGACCGGACGAGCAAGCGCTGTCTATTACTGTGCAAGG	354
QY	361	ACTACAGGCTGTGACTCTCTGCGGGCCAGGAGTCTCTGTGCACCGTCTCTCA 411	
Db	355	GGGGGTGACTTTGACTACTGCTGCGGGCCAGGAAACCTGTGCACCGTCTCTCA 405	

RESULT 14			
US-10-309-764-70			
Sequence 70, Application US/10309764			
Publication No. US20030232009A1			
GENERAL INFORMATION:			

```

: APPLICANT: Foltz, Ian
: APPLICANT: Babcock, John
: APPLICANT: Palathumpat, Raju
: APPLICANT: Yang, Xiao-dong
: APPLICANT: King, Chadwick T.
: TITLE OF INVENTION: ANTI-CD45RB ANTIBODIES FOR USE IN
: TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
: FILE REFERENCE: ABGENIX.029A
: CURRENT APPLICATION NUMBER: US/10/309,764
: CURRENT FILING DATE: 2002-12-02
: PRIOR APPLICATION NUMBER: 60/337,276
: PRIOR FILING DATE: 2001-12-03
: NUMBER OF SEQ ID NOS: 147
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 70
: LENGTH: 405
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-10-309-764-70

Query Match 66.2%; Score 272.2; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 2.3e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1,

QY 1 ATGAGATTGGGCTGAGCTGGGATTTCCTTGTCTCTTTGAAGTGTCCAGTGTAG 60
DB 1 ATGAGATTGGGGCTTTTGTGTGGTTTCTCTGTCTCTTTTAAAGAGGTCCAGTGTAG 60
QY 61 GTGAGCTGTGGAGAGCTGTGGGGGGGGCTGTGCAAAAGCTGTGGGGGTCCCTGAGACTTCC 120
DB 61 GTGAGCTGTGGAGAGCTGTGGGGGGGGGGTGTGCAAGCTGTGGAGGTCCCTGAGACTTCC 120
QY 121 TGCGCAGCTTCGGGAGTTACGTTTACCTTCAATATCTAATACATGAGATGGGTCGGCCAG 180
DB 121 TGTCAGAGGCTGTG-----GATTCACTTCAGTACGTATGAGCATGACATGGGTCGGCCAG 174
QY 181 GCTCCAGGGCAGGGGGGCTGGAGTGGGTCCTCAAGTATTAGTAGAGGTGATGCCACATGG 240
DB 175 GCTCCAGACAGGGGGCTGGAGTGGGTCGAGTATATGTATGATGAGAGTTATTAATAC 234
QY 241 TACGCAAGCTCCGTGAAGGGGAGATTCCATCTCCAGAGAAAGCCCAACACACTG 300
DB 235 TATGCAAGCTCCGTGAAGGGGCCGATTCCATCTCCAGAGAAATTCAGAGACAGCTG 294
QY 301 TTCTCTTCAAGACAGCTGTAGAGCTGAGAGACAGCGGTCTATTACTGTGGCAGCTTG 360
DB 295 TATCTGCAATGAAGACAGCTGTAGAGCCGAGGACAGCGGTGTGTATTACTGTGCGAGAGA 354
QY 361 ACTACAGAGGTGTGACTCCTGTGGGCGCAGAGGATCCTGTGACCCGTCTCTCA 411
DB 355 GGTGATCTTTTGACTACTGTGGGCGCAGGAAACCTGTGACCGTCTCTCA 405

RESULT 15
US-10-309-764-118
: Sequence 118, Application US/10309764
: Publication No. US20030232009A1
: GENERAL INFORMATION:
: APPLICANT: Foltz, Ian
: APPLICANT: Babcock, John
: APPLICANT: Palathumpat, Raju
: APPLICANT: Yang, Xiao-dong
: APPLICANT: King, Chadwick T.
: TITLE OF INVENTION: ANTI-CD45RB ANTIBODIES FOR USE IN
: TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
: FILE REFERENCE: ABGENIX.029A
: CURRENT APPLICATION NUMBER: US/10/309,764
: CURRENT FILING DATE: 2002-12-02
: PRIOR APPLICATION NUMBER: 60/337,276
: PRIOR FILING DATE: 2001-12-03
: NUMBER OF SEQ ID NOS: 147
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 118

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; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-309-764-118

Query Match 66.2%; Score 272.2; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 2,3e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1;

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QY 1 ATGGAGTTTGGGCTGAGCTGGGTTTTCCTTGTCTCTTTTGAAGGTGCCAGTGTAG 60
   |||||
Db 1 ATGGAGTTTGGGCTGAGCTGGGTTTTCCTTGTCTCTTTTGAAGGTGCCAGTGTAG 60
   |||||

QY 61 GTGAGCTGTGAGTGTGAGGCGGCTTGGCAAAGCTGGGGGGTCCCTGAGACTCTCC 120
   |||||
Db 61 GTGAGCTGTGAGTGTGAGGCGGCTTGGCAAAGCTGGGGGGTCCCTGAGAGTCTCC 120
   |||||

QY 121 TGGCAGCTCTCCGGGTTCAAGTTCACTTCAATTACTACTACATGGAGTGGTCCGCCAG 180
   |||||
Db 121 TGTGCAGCGTCTG-----GATTCACTTCAAGTACTATGGCATGCACTGGGTCCGCCAG 174
   |||||

QY 181 GCTTCAGGGCAGGGGCTGAGTGGGTCTCAGTATTAGTAGTAGTGGTATCCCATGG 240
   |||||
Db 175 GCTTCAGGGCAGGGGCTGAGTGGGTCTCAGTATTAGTAGTAGTGAAGTAAAAAATTC 234
   |||||

QY 241 TACGAGACTCCCGTGAAGGGCAGATTCAACCATCTCCAGAGAGAACGCAACACACTG 300
   |||||
Db 235 TATGCAGACTCCCGTGAAGGGCCGATTCAACCATCTCCAGAGACAAATCCAGAAACAGCTG 294
   |||||

QY 301 TTTCTTCAAAATGAACAGCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGGAGCTTG 360
   |||||
Db 295 TCTCTGCAAAATGAGCAGCGCTGAGAGCGGAGACAGCGCTGTGTATTACTGTGGAGAGGC 354
   |||||

QY 361 ACTACAGGCTGTGACTCTGTGGGCGCAGGGAGTCTGTCAACCGTCTCTCA 411
   |||||
Db 355 GGTGGGACTTTGACTTCTGGGGCCAGGGAAACCTGTGTCAACCGTCTCTCA 405
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Search completed: August 23, 2004, 09:17:33
Job time : 1284.67 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 81.5778 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-3

Perfect score: 387
Sequence: 1 atggacatgaaggtcccccgc.....ggaccagaagtggaatacaaa 387

Scoring table: IDENTITY NUC
Gapop 10% , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCRTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	387	100.0	387	3	US-08-803-085-3 Sequence 3, Appl1
2	387	100.0	19040	4	US-09-343-485A-3 Sequence 3, Appl1
3	326.2	84.3	714	4	US-09-472-087-62 Sequence 62, Appl1
4	318.2	82.2	388	3	US-09-042-353-358 Sequence 358, App
5	318.2	82.2	388	4	US-08-758-417A-206 Sequence 206, App
6	316.6	81.8	1066	1	US-08-157-101A-4 Sequence 4, Appl1
7	308.6	79.7	387	1	US-08-217-918-1 Sequence 1, Appl1
8	307	79.3	439	3	US-09-042-353-360 Sequence 360, App
9	307	79.3	439	4	US-08-758-417A-208 Sequence 208, App
10	304.2	78.6	705	1	US-08-488-376-16 Sequence 16, Appl1
11	304.2	78.6	705	2	US-08-634-223-16 Sequence 16, Appl1
12	304.2	78.6	705	2	US-08-634-223-16 Sequence 16, Appl1
13	304.2	78.6	705	2	US-08-634-400-15 Sequence 16, Appl1
14	304.2	78.6	705	2	US-08-635-878-16 Sequence 16, Appl1
15	304.2	78.6	705	2	US-08-770-057-16 Sequence 16, Appl1
16	304.2	78.6	705	3	US-09-335-697B-16 Sequence 16, Appl1
17	304.2	78.6	705	4	US-09-335-697B-16 Sequence 16, Appl1
18	304.2	78.6	705	4	US-09-740-002-16 Sequence 16, Appl1
19	302	78.0	420	3	US-09-042-353-420 Sequence 420, App
20	302	78.0	420	4	US-08-758-417A-320 Sequence 220, App
21	302	78.0	3819	3	US-09-042-353-383 Sequence 383, App
22	302	78.0	3819	4	US-08-758-417A-243 Sequence 243, App
23	297.4	76.8	390	2	US-08-646-367-2 Sequence 2, Appl1
24	296.2	76.5	384	1	US-08-259-372A-13 Sequence 13, Appl1
25	296.2	76.5	384	1	US-08-468-671-13 Sequence 13, Appl1
26	288.4	74.5	941	4	US-09-800-729-81 Sequence 81, Appl1
27	285.6	73.9	990	4	US-09-800-729-79 Sequence 79, Appl1

28	279.4	72.2	324	2	US-08-378-939-23 Sequence 23, Appl1
29	278.2	71.9	708	1	US-08-488-376-18 Sequence 18, Appl1
30	278.2	71.9	708	2	US-08-634-223-18 Sequence 18, Appl1
31	278.2	71.9	708	2	US-08-634-224-18 Sequence 18, Appl1
32	278.2	71.9	708	2	US-08-634-400-18 Sequence 18, Appl1
33	278.2	71.9	708	2	US-08-635-878-18 Sequence 18, Appl1
34	278.2	71.9	708	2	US-08-770-057-18 Sequence 18, Appl1
35	278.2	71.9	708	3	US-09-335-697B-18 Sequence 18, Appl1
36	278.2	71.9	708	4	US-09-335-697B-18 Sequence 18, Appl1
37	278.2	71.9	708	4	US-09-740-002-18 Sequence 18, Appl1
38	273.8	70.7	381	2	US-08-621-751A-5 Sequence 5, Appl1
39	272.6	70.4	371	4	US-09-389-681-187 Sequence 187, App
40	272.6	70.4	371	4	US-09-620-405B-187 Sequence 187, App
41	272.6	70.4	371	4	US-09-339-338-187 Sequence 187, App
42	272.6	70.4	371	4	US-09-433-826B-187 Sequence 187, App
43	272.6	70.4	371	4	US-09-604-287A-187 Sequence 187, App
44	272.6	70.4	371	4	US-09-834-759-187 Sequence 187, App
45	269.6	69.7	321	3	US-09-240-274-102 Sequence 102, App

ALIGNMENTS

RESULT 1
US-08-803-085-3
Sequence 3, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHEIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 67..387
US-08-803-085-3
Query Match 100.0%; Score 387; DB 3; Length 387;

Best Local Similarity 100.0%; Pred. No. 2.5e-114; Indels 0; Gaps 0;
Matches 387; Conservative 0; Mismatches 0;

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QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 60
QY 61 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 120
Db 61 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 120
QY 121 GTCACCATCTTGCAGGGCACTCAGACATTAGGTATTATTAAATGTTATCAG 180
Db 121 GTCACCATCTTGCAGGGCACTCAGACATTAGGTATTATTAAATGTTATCAG 180
QY 121 GTCACCATCTTGCAGGGCACTCAGACATTAGGTATTATTAAATGTTATCAG 180
Db 121 GTCACCATCTTGCAGGGCACTCAGACATTAGGTATTATTAAATGTTATCAG 180
QY 181 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 240
Db 181 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 240
QY 241 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 300
Db 241 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 300
QY 301 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 360
Db 301 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 360
QY 361 GGCCAGGAGCAAGGTGGAATCAAA 387
Db 361 GGCCAGGAGCAAGGTGGAATCAAA 387
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RESULT 2

US-09-343-485A-3
; Sequence 3, Application US/09343485A
; Patent No. 6413777
; GENERAL INFORMATION:
; APPLICANT: REEF, MITCHELL R.
; APPLICANT: BARNETT, RICHARD S.
; APPLICANT: MCILACHLAN, KAREN R.
; TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT SPECIFIC SITES IN
; TITLE OF INVENTION: MAMMALIAN CELLS VIA HOMOLOGOUS RECOMBINATION AND
; TITLE OF INVENTION: VECTORS FOR ACCOMPLISHING THE SAME
; FILE REFERENCE: 037003-0275807
; CURRENT APPLICATION NUMBER: US/09/343,485A
; CURRENT FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/023,715
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 08/819,866
; PRIOR FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19040
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3

Query Match 100.0%; Score 387; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.3e-113;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 60
Db 7545 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 7604
QY 61 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 120
Db 7605 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 7664
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QY 121 GTCACCATCTTGCAGGGCAGTGGATCTAGGATTTAATTTGTTATCAGAG 180
Db 7665 GTCACCATCTTGCAGGGCAGTGGATCTAGGATTTAATTTGTTATCAGAG 7724
QY 181 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 240
Db 7725 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 7784
QY 241 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 300
Db 7785 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 7844
QY 301 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 360
Db 7845 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 7904
QY 361 GGCCAGGAGCAAGGTGGAATCAAA 387
Db 7905 GGCCAGGAGCAAGGTGGAATCAAA 7931
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RESULT 3

US-09-472-087-62
; Sequence 62, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, ELLEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PE1
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 62
; LENGTH: 714
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-472-087-62

Query Match 84.3%; Score 326.2; DB 4; Length 714;
Best Local Similarity 90.2%; Pred. No. 9.3e-95;
Matches 349; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

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QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTGCTCCAGTGC 60
QY 61 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 120
Db 61 AGATGACATCCAGATGAGCCAGTCTCATCTCCCTGCTGCACTCTGAGGACG 120
QY 121 GTCACCATCTTGCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 180
Db 121 GTCACCATCTTGCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 180
QY 181 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 240
Db 181 AAACCGAGAAAGCTCTTAAGCTCTGATCTATGTCATCCAGTTTGAAGTGGG 240
QY 241 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 300
Db 241 CCATCAAGGTTCCAGGGCAGTGGATCTGGGACAGAGTCTCTCAGCAGAGCTG 300
QY 301 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 360
Db 301 CAGCTGAAGATTTCGCACTTATTACTGTCTACAGTTTATAGTACCCCTGGA 360
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Db 301 CAACCTGAAGATTGCACTTACTGTCAACAGATTACAGTACTCATTCTTTC 360
QY 361 GGGCAGGAGGACCAAGGTGGAATCAAA 387
Db 361 GGGCCTGGAGCCAAAGTGAATCAAA 387

RESULT 4
US-09-042-353-358
Sequence 358, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:

Application Number: WO PCT/US96/16433
Filing Date: 10-OCT-1996
Prior Application Data:
Application Number: US 08/758,417
Filing Date: 02-DEC-1996
Prior Application Data:
Application Number: WO PCT/US97/21803
Filing Date: 01-DEC-1997
Attorney/Agent Information:
Name: Apple, Randolph T.
Registration Number: 36,429
Reference/Docket Number: 014643-009040US
Telecommunication Information:
Telephone: (415) 576-0200
Telefax: (415) 576-0300
Information for SEQ ID NO: 358:
Sequence Characteristics:
Length: 388 base pairs
Type: nucleic acid
Strandedness: single
Topology: linear
Molecule Type: DNA
US-09-042-353-358

Query Match 82.2%; Score 318.2; DB 3; Length 388;
Best Local Similarity 88.9%; Pred. No. 2,6e-92;
Matches 344; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

QY 1 ATGAGCATGAGGGTCCCGCTCAGCTCTGAGGGCTCTTGTGCTGCTCCAGGTGCC 60
Db 1 ATGAGCATGAGGTCTCCCGCTCAGCTCTGAGGGCTCTTGTGCTGCTCCAGGTGCC 60

QY 61 AGATGTCATCTCCAGATGACCCAGTCTCCATCTTCCCTGTTCGATCTGAGGGACAGA 120
Db 61 AGATGTCATCTCCAGATGACCCAGTCTCCATCTTCCCTGTTCGATCTGAGGGACAGA 120

QY 121 GTCAACCATCTTGCAGGGGCAAGTCAAGCATTAAGGATATTTAATTGGTATCAGAG 180
Db 121 GTCAACCATCTTGTGGGGGAGTCAAGATTTAGACAGCTGGTTAGCCTGTATCAGAT 180

QY 181 AAACGAGAAAGCTCTTAAGTCTTGATCTATGTTGATCAGTTGCAAGTGGGGTC 240
Db 181 AAACGAGAAAGCTCTTAAGTCTTGATCTATGTTGATCAGTTGCAAGTGGGGTC 240

QY 241 CCATCAAGTTTCGCGGAGTGAATCTGGAGCAGATTCACCTCCACGACAGCTG 300
Db 241 CCATCAAGTTTCGCGGAGTGAATCTGGAGCAGATTCACCTCCACGACAGCTG 300

QY 301 CAGCCTGAAGATTGCGACTTATTACTGTCTACAGGTTATAGTACCCTCCGAGCTTC 360
Db 301 CAGCCTGAAGATTGCGACTTATTACTGTCTACAGGTTATAGTACCCTCCGAGCTTC 360

QY 361 GGGCAGGAGCAAGGTGGAATCAAA 387
Db 361 GGGCAGGAGCAAGGTGGAATCAAA 387

RESULT 5
US-08-758-417A-206
Sequence 206, Application US/08758417A
Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA

ZIP: 94111-3834
COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-Dec-1996
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 206:

SEQUENCE CHARACTERISTICS:

LENGTH: 388 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 206:

US-08-758-417A-206

Query Match

Best Local Similarity 82.2%; Score 318.2; DB 4; Length 388;

Matches 344; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

DB 1 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 60
1 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 60
DB 61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
DB 61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
DB 121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
DB 121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
DB 181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
DB 181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
DB 241 CCATCAAGGTTGACGGGAGTGGATCTGGGACAGATTTCATCTCACCATCAGCAGCTG 300
241 CCATCAAGGTTGACGGGAGTGGATCTGGGACAGATTTCATCTCACCATCAGCAGCTG 300
DB 301 CAGCCTGAAGATTTTGGCACTTATTACTGTACAGGTTTATAGTACCCTCGGACGTTG 360
301 CAGCCTGAAGATTTTGGCACTTATTACTGTACAGGTTTATAGTACCCTCGGACGTTG 360

DB

301 CAGCCTGAAGATTTTGGCACTTATTACTGTACAGGCTTATAGTACCCTCGGACGTTG 360

QY

361 GGCCAGGGACCAAGCTGTAATCAAA 387

DB

361 GGCCAGGGACCAAGCTGTAATCAAA 387

RESULT 6

US-08-157-101A-4

Sequence 4, Application US/08157101A

Patent No. 5608032

GENERAL INFORMATION:

APPLICANT: KURIHARA, TATSUYA

APPLICANT: MATSUKURA, SHIGEKAZU

APPLICANT: TSURUOKA, NOBUO

APPLICANT: ARIMA, KENJI

APPLICANT: NISHIHARA, TATSURO

TITLE OF INVENTION: ANTI-HBS ANTIBODY GENES AND EXPRESSION

TITLE OF INVENTION: PLASMIDS THEREFOR

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: PILLSBURY, MADISON & SUTRO

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/157,101A

FILING DATE: 05-Apr-1994

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: TITUS, MARILYN K.

REGISTRATION NUMBER: 35843

REFERENCE/DOCKET NUMBER: 9437/204199

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3711

TELEFAX: 202-822-0944

TELEX: 6714627 CUCH

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1066 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-157-101A-4

Query Match

Best Local Similarity 81.8%; Score 316.6; DB 1; Length 1066;

Matches 343; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 1 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 60
1 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 60
DB 33 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 92
33 ATGGAATATAGGGTCCCGCTCAGCTCCCTGGGGCTCTCTGCTGCTCCAGGTGCC 92
QY 61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
61 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 120
DB 93 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 152
93 AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTCTGATCTGTAGGGACAGA 152
QY 121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
121 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 180
DB 153 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 212
153 GTACCATCTACTTGACGGGCAAGTGAAGCATTTAGTATTTAATTGATGACGAG 212
QY 181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
181 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
DB 213 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 272
213 AAACCGAGAAAGCTCTTAAGCTCCGATCTATGTTGATCCAGTTGCAAGTGGGGTC 272

QY 241 CCATCAAGTTGAGCGGAGTGGATCTGGGACAGAGTTCACCTCCACCGTCAGAGCCTG 300
DB 273 CCATCGAGTTTCAGCGGAGTGGATCTGGGACAGAGTTCACCTCCACATCAGAGACTG 332
QY 301 CAGCTGAAGATTTTGGCACTTATCTAGTGTACAGGTTTATAGTACCCCTCGAGGCTG 360
DB 333 CAGCTGAAGATTTTGGCACTTATCTAGTGTACAGGTTTATAGTACCCCTGAAGTTTC 392
QY 361 GGCCAAAGGACCAAGGTGGAATCAA 387
DB 393 GGCCAAAGGACCAAGGTGGAATCAA 419

RESULT 7

US-08-217-918-1
Sequence 1, Application US/08217918
Patent No. 5506132
GENERAL INFORMATION:
APPLICANT: LAKE, PHILIP
APPLICANT: OSTBERG, LARS
TITLE OF INVENTION: HUMAN ANTIBODIES AGAINST
TITLE OF INVENTION: VARICELLA-ZOSTER VIRUS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/217,918
FILING DATE: 24-MAR-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
US-08-217-918-1

Query Match 79.7%; Score 308.6; DB 1; Length 387;

Best Local Similarity 87.3%; Pred. No. 3,1e-89;

Matches 338; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 1 ATGACATAGAGGTCCTCCGCTAGCTCCTGGGGCTCTTCTGCTGCTCCAGTCC 60
DB 1 ATGACATAGAGGTCCTCCGCTAGCTCCTGGGGCTCTTCTGCTGCTCCAGTCC 60
QY 61 AATGTGATATCCAGATGACCAAGTCTCATCTTCCCTGCTGCACTGTGGAGAGCA 120
DB 61 AATGTGATATCCAGATGACCAAGTCTCATCTTCCCTGCTGCACTGTGGAGAGCA 120
QY 121 GTCACCATCATCTTGACGGGCAAGTCAGACATTAAGTATTAATTTGATACGAG 180

DB 121 GTCACCATCATCTTGACGGGCAAGTCTAGACTATTAAGTCTGCTGCTGATCAGCAG 180
QY 181 AAACGAGAAAGTCTCTAAGTCTCTGATCTATGTTTCATCAAGTTTGAAGTGGGCTC 240
DB 181 AACACGAGAAAGTCTCTAAGTCTCTGATCTATGTTTCATCAAGTTTGAAGTGGGCTC 240
QY 241 CATTCAAGTTTTCAGCGGAGTGGATCTGGGACAGAGTTCACTCTCAACGTCAGAGCCTG 300
DB 241 CCATCAAGTTTTCAGCGGAGTGGATCTGGGACAGAGTTCACTCTCAACGTCAGAGCCTG 300
QY 301 CAGCTGAAGATTTTGGCACTTATCTAGTGTACAGGTTTATAGTACCCCTCGAGGCTG 360
DB 301 CAGCTGAAGATTTTGGCACTTATCTAGTGTACAGGTTTATAGTACCCCTCGAGGCTG 360
QY 361 GGCCAAAGGACCAAGGTGGAATCAA 387
DB 361 GGCCAAAGGACCAAGGTGGAATCAA 387

RESULT 8

US-09-042-353-360
Sequence 360, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lomborg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 360:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-360

Query Match 79.3%; Score 307; DB 3; Length 439;
Best Local Similarity 87.1%; Pred. No. 1.1e-88;
Matches 337; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

1 ATGGAATGAGGGTCCCGCTGAGCTCCCTGGGGCTCTCTGCTCCAGGTGCC 60
1 ATGGAATGAGAGTCCCGCTGAGCTCCCTGGGGCTCTCTGCTCCAGGTGCC 60
61 AGATGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
61 AGATGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
121 GTTACCATCTACTTGGGAGGAGTCAAGACATTAAGTATTATTAAATTGGTATACAG 180
121 GTTACCATCTACTTGGGAGGAGTCAAGACATTAAGTATTATTAAATTGGTATACAG 180
181 AAACCGAGAAAGCTCTAGCTCCCTGATCTATGTTGATCCAGTTTCAAAAGTGGGTC 240
181 AAACCGAGAAAGCTCTAGCTCCCTGATCTATGTTGATCCAGTTTCAAAAGTGGGTC 240
241 CCATCAAGGTTAAGGGGAGTGGATCTGGGACAGAGTTCACTTACCATCAGCAGCTG 300
241 CCATCAAGGTTAAGGGGAGTGGATCTGGGACAGAGTTCACTTACCATCAGCAGCTG 300
301 CAGCCTGAAGATTTTGGCATTATTAAGTCTACAGAGTTTAAAGCCCTCGAGCTTC 360
301 CAGCCTGAAGATTTTGGCATTATTAAGTCTACAGAGTTTAAAGCCCTCGAGCTTC 360
361 GGCACAGGGAGCAAGCTGAGATCAAA 387
361 GGCACAGGGAGCAAGCTGAGATCAAA 387

RESULT 9
US-08-758-417A-208
Sequence 208, Application US/08758417A

Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antipodites
NUMBER OF SEQUENCES: 417
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-DEC-1996
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 208:
US-08-758-417A-208

Query Match 79.3%; Score 307; DB 4; Length 439;
Best Local Similarity 87.1%; Pred. No. 1.1e-88;
Matches 337; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

1 ATGGAATGAGGGTCCCGCTGAGCTCCCTGGGGCTCTCTGCTCCAGGTGCC 60
1 ATGGAATGAGAGTCCCGCTGAGCTCCCTGGGGCTCTCTGCTCCAGGTGCC 60
61 AGATGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
61 AGATGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120


```
SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..705
US-08-634-223-16

Query Match
Best Local Similarity 87.4%; Score 304.2; DB 2; Length 705;
Matches 333; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 7 ATGAGGATCCCGCTCAGCTCCTGAGGCTCTCTTCTGCTGCTGCTCCAGGTCAGATGT 66
DB 1 ATGAGAGACCCCTGCTCAGCTCCTGAGGCTCTCTGCTGCTGCTCCAGGTCAGATGT 60
QY 67 GACATCCAGATGACCCAGTCTCCATCTTCCCTGCTGCTGCTGCTGAGGAGACAGTCAAC 126
DB 61 GACATCCAGATGACCCAGTCTCCATCTTCCCTGCTGCTGCTGCTGAGGAGACAGTCAAC 120
QY 127 ATCAGTTGAGGGGAGAGAGAGATAGTATTTAATTGATCAGAGAAACCA 186
DB 121 ATCAGTTGAGGGGAGAGAGATAGTATTTAATTGATCAGAGAAACCA 180
QY 187 GAAAAAGCTCTAGCTCTGATCTATGTTGATCCAGTTTGAAAAGTGGGCTCCATCA 246
DB 181 GAAAAAGCTCTAGCTCTGATCTATGTTGATCCAGTTTGAAAAGTGGGCTCCATCA 240
QY 247 AGGTTGAGGGGAGAGAGATGAGGAGAGGTCAGTCCAGTCCAGAGAGGCTGAGGCT 306
DB 241 AGGTTGAGGGGAGAGAGATGAGGAGAGGTCAGTCCAGTCCAGAGAGGCTGAGGCT 300
QY 307 GAAGATTTGCACTTATCTGCTGCTACAGGTTTATAGTACCCCTCGAGCTTGGCCCA 366
DB 301 GAAGATTTGCACTTATCTGCTGCTACAGGTTTATAGTACCCCTCGAGCTTGGCCCA 360
QY 367 GGGACCAAGGTGGAATCAAA 387
DB 361 GGGACCAAGGTGGAATCAAA 381

RESULT 12
US-08-634-224-16
Sequence 16, Application US/08634224
GENERAL INFORMATION:
APPLICANT: BRAMS, Peter
APPLICANT: CHAMAT, Soulaïma Salim
APPLICANT: PAN, Li-Zhen
APPLICANT: WALSH, Edward E.
APPLICANT: HEARD, Cheryl Janne
APPLICANT: NEWMAN, Roland Anthony
TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/634,224
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FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/488,376
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-150
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..705
US-08-634-224-16

Query Match
Best Local Similarity 87.4%; Score 304.2; DB 2; Length 705;
Matches 333; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

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DB 1 ATGAGAGACCCCTGCTCAGCTCCTGAGGCTCTCTGCTGCTGCTCCAGGTCAGATGT 60
QY 67 GACATCCAGATGACCCAGTCTCCATCTTCCCTGCTGCTGCTGCTGAGGAGACAGTCAAC 126
DB 61 GACATCCAGATGACCCAGTCTCCATCTTCCCTGCTGCTGCTGCTGAGGAGACAGTCAAC 120
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QY 187 GAAAAAGCTCTAGCTCTGATCTATGTTGATCCAGTTTGAAAAGTGGGCTCCATCA 246
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QY 367 GGGACCAAGGTGGAATCAAA 387
DB 361 GGGACCAAGGTGGAATCAAA 381

RESULT 13
US-08-634-400-16
Sequence 16, Application US/08634400
GENERAL INFORMATION:
APPLICANT: BRAMS, Peter
APPLICANT: CHAMAT, Soulaïma Salim
APPLICANT: PAN, Li-Zhen
APPLICANT: WALSH, Edward E.
APPLICANT: HEARD, Cheryl Janne
APPLICANT: NEWMAN, Roland Anthony
TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
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Qy	307	GAGATTTCGCACTATTACTGCTCAACAGTTTATATACCCCGCAGCCTTGCGCCAA	366
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Sequence 16, Application US/08770057
Patent No. 5958765
GENERAL INFORMATION:
APPLICANT: BRAMS, Peter
APPLICANT: CHAMAT, Soulaïma Salim
APPLICANT: PAN, Li-zhen
APPLICANT: WALSH, Edward E.
APPLICANT: HEARD, Cheryl Janne
APPLICANT: NEWMAN, Roland Anthony
TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
TITLE OF INVENTION: METHODS FOR THEIR MANUFACTURE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,057
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/488,376
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-150
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..705
US-08-770-057-16

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Query Match	78.6%;	Score 304.2;	DB 2;	Length 705;
Best Local Similarity	.87.4%;	Pred. No. 1e-87;		
Matches 333;	Conservative 0;	Mismatches 48;	Indels 0;	Gaps 0;

QY 7 ATAGAGGATCCCCCTAGAGCTCCGAGGGGCGCCTTGGAGCTGGATCCAGAGGCGCAAGTGT 66
Db 1 ATGAGAGCCCCCTAGAGCTCCGAGGGCGCCTGGATCTGGATCCAGAGGCGCAAGTGT 60
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QY	247 AGGTTAAGCGGAGTGTGATCTGGACAGAGTTCACTCCACCGTCAGCAGCGCTGACGCT	3.66
D5	241 AGGTTACATGCGCGGTGATCTGGACAGATTTCATCTCACACATCAACAGCTTGGAACT	3.00
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Search completed: August 23, 2004, 00:13:53
Job time : 83.5778 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 1208.72 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-3

Sequence: 1 atggacatgagggtcccgccg.....ggaccagaagtgaatacaaa 387

Scoring table:

IDENTITY_NUC
Gapco 10.0 , Gapext 1.0

Searched: 3228839 seqs, 245606551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA:*

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4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq:*
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19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	387	100.0	387	10	US-09-019-441-3
2	387	100.0	387	15	US-10-103-686-3
3	342.2	88.4	729	15	US-10-216-484-135
4	342.2	88.4	729	15	US-10-384-933-125
5	339	87.6	1106	16	US-10-264-049-121
6	329.4	85.1	426	17	US-10-469-304-22
7	329.4	85.1	974	9	US-09-859-053-29
8	326.2	84.3	714	15	US-10-153-382-18
9	324.6	83.9	387	9	US-09-905-243-27
10	324.6	83.9	448	17	US-10-693-629-49
11	323	83.5	728	9	US-09-844-684-15
12	323	83.5	728	15	US-10-040-244-15
13	323	83.5	728	17	US-10-693-629-65
14	321.4	83.0	390	9	US-09-905-243-57

15	321.4	83.0	514	15	US-10-066-543-2025	Sequence 2025, Ap
16	321.4	83.0	537	15	US-10-066-543-186	Sequence 186, Ap
17	321.4	83.0	716	9	US-09-844-684-13	Sequence 13, Appl
18	321.4	83.0	716	15	US-10-040-244-13	Sequence 13, Appl
19	316.4	81.8	463	13	US-10-395-894-24	Sequence 24, Appl
20	316.4	81.8	6082	13	US-10-395-894-10	Sequence 10, Appl
21	315	81.4	1526	17	US-10-679-820-87	Sequence 87, Appl
22	313.8	81.1	384	16	US-10-309-762-113	Sequence 113, App
23	313.4	81.0	427	17	US-10-693-629-37	Sequence 37, Appl
24	313.4	81.0	427	17	US-10-693-629-41	Sequence 41, Appl
25	311.8	80.6	565	12	US-09-969-034-2618	Sequence 2618, Ap
26	311.8	80.6	698	15	US-09-844-684-11	Sequence 11, Appl
27	311.8	80.6	698	17	US-10-040-244-11	Sequence 11, Appl
28	311.8	80.6	698	17	US-10-693-629-61	Sequence 61, Appl
29	310	80.1	634	15	US-10-158-646-55	Sequence 55, Appl
30	309.8	80.1	384	9	US-09-905-243-40	Sequence 20, Appl
31	309.8	80.1	402	15	US-10-158-646-56	Sequence 56, Appl
32	309.2	79.9	772	16	US-10-264-049-2127	Sequence 2127, Ap
33	309	79.8	384	16	US-10-309-762-115	Sequence 115, App
34	308.8	79.8	520	9	US-09-878-178-1210	Sequence 1210, Ap
35	308.8	79.8	520	14	US-10-046-835-1210	Sequence 1210, Ap
36	308.8	79.8	520	15	US-10-146-802-1210	Sequence 1210, Ap
37	308.4	79.7	737	9	US-09-919-344-7	Sequence 7, Appl1
38	306.8	79.3	463	13	US-10-395-894-20	Sequence 20, Appl
39	306.8	79.3	6082	13	US-10-395-894-9	Sequence 9, Appl1
40	306	79.1	387	9	US-09-905-243-25	Sequence 25, Appl
41	305.8	79.0	384	16	US-10-389-821-10	Sequence 10, Appl
42	304.2	78.6	705	9	US-09-740-002-16	Sequence 16, Appl
43	304.2	78.6	705	16	US-10-384-356-16	Sequence 16, Appl
44	304.2	78.6	705	17	US-10-325-698-16	Sequence 16, Appl
45	303.8	78.5	708	15	US-10-401-344-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1
US-09-019-441-3
; Sequence 3, Appl1
; Publication No. US20030086921A1
; GENERAL INFORMATION:
; APPLICANT: REFF, Mitchell E.
; KLOETZER, William S.
; NAKAMURA, Takehiko
; TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
; ANTIBODIES AND USE THEREOF AS THERAPEUTICS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSER: BURNS, DOANE, SWECKER & MATHIS, LLP
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 05-Feb-1998
; PRIORITY APPLICATION DATA:
; PRIORITY APPLICATION NUMBER: US 08/803,085
; FILING DATE: 20-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-502
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
NAME/KEY: mat_peptide
LOCATION: 67..387
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-019-441-3

Query Match 100.0%; Score 387; DB 10; Length 387;
Best Local Similarity 100.0%; Pred. No. 2.2e-112;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGGACATGAGGCTCCCGCTCAGCTCCTGCGGCTCTTCTGCTGCTGCTCCAGGTGC 60
1 ATGGACATGAGGCTCCCGCTCAGCTCCTGCGGCTCTTCTGCTGCTGCTCCAGGTGC 60
61 AGATGTGACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAG 120
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301 CAGCTGAAGATTTGGGACTTATTAAGTCTTACAGGTTTAAAGTTCAGAGCTTC 360
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361 GGCCAGAGGACCAAGGTGAATCAAA 387
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RESULT 2
US-10-103-686-3
Sequence 3, Application US/10103686
Publication No. US2003005942A1
GENERAL INFORMATION:
APPLICANT: REF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-2021
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
NAME/KEY: mat_peptide
LOCATION: 67..387
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-103-686-3

Query Match 100.0%; Score 387; DB 15; Length 387;
Best Local Similarity 100.0%; Pred. No. 2.2e-112;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGGACATGAGGCTCCCGCTCAGCTCCTGCGGCTCTTCTGCTGCTGCTCCAGGTGC 60
1 ATGGACATGAGGCTCCCGCTCAGCTCCTGCGGCTCTTCTGCTGCTGCTCCAGGTGC 60
61 AGATGTGACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAG 120
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361 GGCCAGAGGACCAAGGTGAATCAAA 387
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RESULT 3
US-10-216-484-125
Sequence 125, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
HARUYAMA, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakamura, Kaori
APPLICANT: Takashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US/09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 125
LENGTH: 729
TYPE: DNA
ORGANISM: Homo sapiens
US-10-216-484-125

Query Match 88.4%; Score 342.2; DB 15; Length 729;
Best Local Similarity 92.8%; Pred. No. 4,5e-98;
Matches 359; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

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RESULT 4
US-10-384-933-125
Sequence 125, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuro
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 125
LENGTH: 729
TYPE: DNA
ORGANISM: Homo sapiens
US-10-384-933-125

Query Match 88.4%; Score 342.2; DB 15; Length 729;

Best Local Similarity 92.8%; Pred. No. 4,5e-98;
Matches 359; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCCGCTCAGCTCTGGGGCTCTTCTGCTTGGCTCCGAGGTGCC 60
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DB 307 CAGCTGAAGATTTTGGCACTTATCTGCTCAAGTTATATGTAACCCCTGGAGAGTTC 366
QY 361 GGCCAAAGGACCAAGGTGGAATCAAA 387
DB 367 GGCCAAAGGACCAAGGTGGAATCAAA 393

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US-10-264-049-121
Sequence 121, Application US/10264049
Publication No. US2004000579A1
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P433PI
CURRENT APPLICATION NUMBER: US/10/264,049
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/18569
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: US 60/209,467
PRIOR FILING DATE: 2000-06-07
NUMBER OF SEQ ID NOS: 4360
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 121
LENGTH: 1106
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: misc_feature
LOCATION: (302)..(302)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (424)..(424)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1039)..(1039)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1084)..(1084)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1103)..(1103)
OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-121

Query Match	87.6%;	Score 339;	DB 16;	Length 1106;
Best Local Similarity	90.7%;	Pred. No. 5.3e-97;		
Matches 351;	Conservative	7;	Mismatches 29;	Indels 0;
			Gaps	0;

Qy	1	ATGGACATAGAGGGTCCCGCGCTAGGCTCCCTGGGGGACTCCTTGAGCTGTGGCTCCAGAGTGC	60
Db	79	ATGGACATAGAGGGTCCCGCGCTAGGCTCTTGGGGGACTCTGCTGACTCTGGCTCCAGAGTGC	138
Qy	61	AGATGTGACATCCAGATGAGCCGAGTCTCCATCTTCCTGTGCACTGTGAGGGGACAGA	120
Db	139	AGATGTGACATCCAGATGAGCCGAGTCTCCATCTTCCTGTGCACTGTGAGGGGACAGA	198
Qy	121	GTACACATCACTTGGCAGGGGAACTAGACACATTAGCTTATTTTAATTGGTATCAGAC	180
Db	199	GTACACATCACTTGGCAGGGGAACTAGACACATTAGCAACTTTTAAATTGGTATCAGAC	258
Qy	181	AAACCGAGAAAGCTCCTTAAGCTCCTGATCTATGTGTGATCCAGTTGGCAAAGTGGGTC	240
Db	259	AAACCGAGAAAGCTCCTTAAGCTCCTGATCTATGTGTGATCCAAATTGGCAAAGTGGGTC	318
Qy	241	CCATCAAGGTTTACGGCGCAGTGGATCTGGGACAGAGTTCACTTCACCGTCAGACGCTG	300
Db	319	CCATCAAGGTTTACGGCGCAGTGGATCTGGGACAGATTTCACTTTCACCATCAGCAGACTG	378
Qy	301	CAGCTGAAAGTTTTCGACTTATTACTGTCTTACAGGTTTATAGTACCCCTCGSACCTTC	360
Db	379	CAGCTGAAAGTTTTCGACTTATTACTGTCTTACAGGTTTATAGTAAATTTCCCTTCACCTTC	438
Qy	361	GGCCAGGAGCCAAAGGTGGAAATCAA	387
Db	439	GGCSRAAGGACCAAAGGTGARAATCAA	465

```

RESULT 6
US-10-469-304-22
; Sequence 22, Application US/10469304
; Publication No. US20040091974A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; TITLE OF INVENTION: Anti HLA-DR antibody
; FILE REFERENCE: PH-1646-PCF
; CURRENT APPLICATION NUMBER: US/10/469,304
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: JP2001/317054
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-469-304-22

```

	Query Match	85.1%	Score 329.4	DB 17	Length 426
	Best Local Similarity	90.7%	Pred. No. 4.3e-94		
	Matches 351	Conservative	0	Mismatches 36	Indels 0
QY	1	ATGGAATAGAGGGTCCCGCTCAGCTCCTGGGGCTCTTCGTGCTGGCTCCAGGTGC	60		
Db	34	ATGAGCATAGAGGTCCCCCTCAGCTCTGGGGCTTGTGCTGTGGCTCCAGGTGC	93		
QY	61	AGATTGACATCCAGATGAGCCAGTCCATCTCCCTGTGATCTGTAGAGGAGAGA	120		
Db	94	AGATTGCCATCCAGTTGACCGAGTCCATCTCCCTGTGATCTGTAGAGGAGAGA	153		
QY	121	GTCACATCATCTTGACGGGCAAGTACGACATTAGATATTATTTAAATTGGTATCAACAG	180		
Db	154	GTCACATCATCTTGCGGGCAAGTACGACATTAGCATGATTTAGCTGTATCAACAG	213		
QY	181	AAACCCGAGAAAGCTCTTAAGTCTCTGATCTTATGTGTGATCCAGTTGGCAAGTGGGGTC	240		
Db	214	AAACCCGAGAAAGCTCTTAAGTCTCTGATCTTATGTGTGATCCAGTTGGAAAGTGGGGTC	273		

Accession	Sequence	Position
Oy	CCATCAAGGTTACGCGCAGTGGATCTGGAAACAGGTTCACTCACAACGTCAGAGCGCTG	300
Db	CCATCAAGGTTACGCGCGAGTGGATCTGGAAACAGTTCACCTCCACATACAGAGCGCTG	333
Oy	CACCTGAAGATTTTTCGACCTATTACTGTTACACGCTTTATGTAACCCCTCGGACCTTC	360
Db	CACCTGAAGATTTTTCGACCTATTACTGTTACACGCTTTATTAATTTCCCGCTCACTTC	393
Oy	CACCTGAAGATTTTTCGACCTATTACTGTTACACGCTTTATTAATTTCCCGCTCACTTC	393
Db	CACCTGAAGATTTTTCGACCTATTACTGTTACACGCTTTATTAATTTCCCGCTCACTTC	393
Oy	GGCCACGAGACCAAGTGGAAATCAA	387
Db	GGCCACGAGACCAAGTGGAAATCAA	420

```

RESULT 7
US-09-859-053-29
Sequence 29, Application US/09859053
Patent No. US20020102658A1
GENERAL INFORMATION:
APPLICANT: Teuji, Takashi
APPLICANT: Tezuka, Katsunari
TITLE OF INVENTION: HO1I, No. US20020102658A1a1a1
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE ALLIM AND
TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
FILE REFERENCE: 06501-079001
CURRENT APPLICATION NUMBER: US/09/859,053
CURRENT FILING DATE: 2001-05-16
PRIOR APPLICATION NUMBER: JP 2001-99508
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: JP 2000-147116
PRIOR FILING DATE: 2000-05-18
NUMBER OF SEQ ID NOS: 43
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 29
LENGTH: 974
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: 5'UTR
LOCATION: (1)...(38)
NAME/KEY: CDS
LOCATION: (39)...(746)
NAME/KEY: 3'UTR
LOCATION: (750)...(974)
NAME/KEY: s1g_peptide
LOCATION: (39)...(104)
US-09-859-053-29

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	Query Match	Similarity	Score	DB	Length
Best Local	85.1%	90.7%	329.4	9	974
Matches	351	Conservative	0	Mismatches	36
				Indels	0
				Gaps	0
OY	1	ATGACATAGAGGCTCCCGCTCAGCTCCTGAGGCTCTTGTCTTCGCTCCAGATGCC	60		
Db	39	ATGCAATAGAGGTCCTCCGCTAGCTCCTGAGGCTCTGCTGTCTCCAGATTC	98		
OY	61	AGATGCAATCAGATACCATCCAGTCTCCATCTTCCTGTCTCATCTGTAGGGACAGA	120		
Db	99	AGATGGCAATCCAAATATACCAAGTCCCAATCTTCCTGTCTCATCTGTAGGACAGA	158		
OY	121	GTACACATCACTTCGAGGGCAAGTCAGGACATTTCGATTTAATTGATGTACGAG	180		
Db	159	GTACCATCACTTCGAGGGCAAGTCAGGATTTGAGGATTTGACCTGTATACGAG	218		
OY	181	AAACCGAGAAAGCTCTTAAGTCTCTGATCTATGTTTCATCCAGTTTCAGAAATGGGATC	240		
Db	219	AAACCGAGAAAGCCCTTAACCTCTGATCTATGTTTCATCCAGTTTCAGAAATGGGATC	278		
OY	241	CCATCAAGGTTAGGGGAGATGATCTGGGACAGAGTTCATCTCAACCGTACGAGACCTG	300		
Db	279	CCATCAAGGTTAGGGGAGATGATCTGGGACAGATTTCACTTCAACCATGAGACACTG	338		

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QY 301 CAGCTGAGAGATTTGGAGCTTATCTGCTCAAGATTATAGTACCCCTGGAGCTTC 360
    |||||
Db 339 CAGCTGAGAGATTTGGAGCTTATCTGCTCAAGAGCTTACAGTTCCGCTGAGCTTC 398
    |||||
QY 361 GGCCAGGAGGACCAAGTGTGAATCAAA 387
    |||||
Db 399 GGCCAGGAGGACCAAGTGTGAATCAAA 425
    |||||

RESULT 8
US-10-153-382-18
; Sequence 18, Application US/10153382
; Publication No. US20030086930A1
; GENERAL INFORMATION:
; APPLICANT: PFIZER PRODUCTS INC.
; FILE OF INVENTION: USES OF ANTI-CTLA-4 ANTIBODIES
; FILE REFERENCE: PC23019A
; CURRENT APPLICATION NUMBER: US/10/153,382
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 60/293042
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 714
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-153-382-18

Query Match      84.3%; Score 326.2; DB 15; Length 714;
Best Local Similarity 90.2%; Pred. No. 5,3e-93;
Matches 349; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 1 ATGACATGAGAGGTCCTCCGCTCAGCTCTCTGGGCTCTTGTCTGCTCCAGGTC 60
    |||||
Db 1 ATGACATGAGAGGTCCTCCGCTCAGCTCTCTGGGCTCTTGTCTGCTCCAGGTC 60
    |||||
QY 61 AGATGTGACATCCAGATGATGACCCAGTCCATCTTCCCTGCTGATCTGTAGGAGACAG 120
    |||||
Db 61 AGATGTGACATCCAGATGATGACCCAGTCCATCTTCCCTGCTGATCTGTAGGAGACAG 120
    |||||
QY 121 GTGACCATCCTTGAGGAGGAGTCAAGTCAAGATTAAGTATTATTAAATGATACAG 180
    |||||
Db 121 GTGACCATCCTTGAGGAGGAGTCAAGTCAAGATTAAGTATTATTAAATGATACAG 180
    |||||
QY 181 AAACGAGGAAAAGCTCTAGCTCCGATCTATGTTGCAATCCAGTTGCAAAAGTGGGTC 240
    |||||
Db 181 AAACGAGGAAAAGCTCTAGCTCCGATCTATGTTGCAATCCAGTTGCAAAAGTGGGTC 240
    |||||
QY 241 CCATCAAGGTTCAAGCGGAGTGTGAGACAGATTCACTCAACCGTCAAGCAGCTG 300
    |||||
Db 241 CCATCAAGGTTCAAGCGGAGTGTGAGACAGATTCACTCAACCGTCAAGCAGCTG 300
    |||||
QY 301 CAGCTGAAGATTTGGAGCTTATCTGCTCAAGATTATAGTACCCCTGGAGCTTC 360
    |||||
Db 301 CAGCTGAAGATTTGGAGCTTATCTGCTCAAGATTATAGTACCCCTGGAGCTTC 360
    |||||
QY 361 GGCCAGGAGGACCAAGTGTGAATCAAA 387
    |||||
Db 361 GGCCAGGAGGACCAAGTGTGAATCAAA 387
    |||||

RESULT 9
US-09-905-243-27
; Sequence 27, Application US/09905243
; Patent No. US20020062009A1
; GENERAL INFORMATION:
; APPLICANT: Taylor, Alexander H
; TITLE OF INVENTION: Monoclonal Antibodies with Reduced
; FILE REFERENCE: P50770
; CURRENT APPLICATION NUMBER: US/09/905,243
; CURRENT FILING DATE: 2001-07-16
```

```
QY 1 ATGACATGAGAGGTCCTCCGCTCAGCTCTCTGGGCTCTTGTGCTCCAGGTC 60
    |||||
Db 1 ATGACATGAGAGGTCCTCCGCTCAGCTCTCTGGGCTCTTGTGCTCCAGGTC 60
    |||||
QY 61 AGATGTGACATCCAGATGATGACCCAGTCCATCTTCCCTGCTGATCTGTAGGAGACAG 120
    |||||
Db 61 AGATGTGACATCCAGATGATGACCCAGTCCATCTTCCCTGCTGATCTGTAGGAGACAG 120
    |||||
QY 121 GTGACCATCCTTGAGGAGGAGTCAAGTCAAGATTAAGTATTATTAAATGATACAG 180
    |||||
Db 121 GTGACCATCCTTGAGGAGGAGTCAAGTCAAGATTAAGTATTATTAAATGATACAG 180
    |||||
QY 181 AAACGAGGAAAAGCTCTAGCTCCGATCTATGTTGCAATCCAGTTGCAAAAGTGGGTC 240
    |||||
Db 181 AAACGAGGAAAAGCTCTAGCTCCGATCTATGTTGCAATCCAGTTGCAAAAGTGGGTC 240
    |||||
QY 241 CCATCAAGGTTCAAGCGGAGTGTGAGACAGATTCACTCAACCGTCAAGCAGCTG 300
    |||||
Db 241 CCATCAAGGTTCAAGCGGAGTGTGAGACAGATTCACTCAACCGTCAAGCAGCTG 300
    |||||
QY 301 CAGCTGAAGATTTGGAGCTTATCTGCTCAAGATTATAGTACCCCTGGAGCTTC 360
    |||||
Db 301 CAGCTGAAGATTTGGAGCTTATCTGCTCAAGATTATAGTACCCCTGGAGCTTC 360
    |||||
QY 361 GGCCAGGAGGACCAAGTGTGAATCAAA 387
    |||||
Db 361 GGCCAGGAGGACCAAGTGTGAATCAAA 387
    |||||

RESULT 10
US-10-693-629-49
; Sequence 49, Application US/10693629
; Publication No. US20040120948A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; APPLICANT: MIKAYAMA, Toshifumi
; APPLICANT: YOSHIDA, Hiroshi
; APPLICANT: FORCE, Walker, R.
; APPLICANT: CHEN, Xingjie
; APPLICANT: TAKAHASHI, Nobuaki
; TITLE OF INVENTION: ANTI CD40 MONOCLONAL ANTIBODY
; FILE REFERENCE: 021286-0306473
; CURRENT APPLICATION NUMBER: US/10/693,629
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/13672
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US09/844,684
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: JP2001/142482
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: JP2001/310535
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US10/040,244
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
```

SEQ ID NO 49
LENGTH: 448
TYPE: DNA
ORGANISM: Homo sapiens
US-10-693-629-49

Query Match 83.5%; Score 324.6; DB 17; Length 448;
Best Local Similarity 91.7%; Pred. No. 1.4e-92;
Matches 355; Conservative 0; Mismatches 29; Indels 3; Gaps 1;

QY 1 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 60
DB 59 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 118
QY 61 AGATGTACATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 120
DB 119 AGATGTCCATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 178
QY 121 GTACACCTACTTGCAGGAGCAAGTCAAGACATTAGTATTTAATTGTTATCAGCAG 180
DB 179 GTACACCTACTTGCAGGAGCAAGTCAAGGCAATTAGAGTCTTACCTGTATCAGCAG 238
QY 181 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGTGATCCAGTTGCAAGTGGAGTC 240
DB 239 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGATGCTCCCATTTGAAAGTGGAGTC 298
QY 241 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 300
DB 299 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 358
QY 301 CAGCTTAAGATTTTGGCACTTATTAAGTCTACAGGTTATAGTACCCCTGGAGCTTC 360
DB 359 CAGCTTAAGATTTTGGCACTTATTAAGTCTACAGGTTATAGTACCCCTGGAGCTTC 415
QY 361 GGCCAGGAGCAAGGTGGAATCAA 387
DB 416 GGCCAGGAGCAAGGTGGAATCAA 442

RESULT 11

US-09-844-15
Sequence 15, Application US/09844684
Patent No. US20020142358A1
GENERAL INFORMATION:
APPLICANT: GEMINI SCIENCE, INC.
APPLICANT: LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY
TITLE OF INVENTION: HUMAN ANTI-CD40 ANTIBODIES AND METHODS OF MAKING SAME
FILE REFERENCE: 21286/0276339
CURRENT APPLICATION NUMBER: US/09/844,684
PRIOR FILING DATE: 2001-04-27
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 728
TYPE: DNA
ORGANISM: Homo sapiens
US-09-844-684-15

Query Match 83.5%; Score 323; DB 9; Length 728;
Best Local Similarity 89.7%; Pred. No. 5.5e-92;
Matches 347; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 1 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 60
DB 59 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 118
QY 61 AGATGTACATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 120
DB 119 AGATGTCCATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 178
QY 121 GTACACCTACTTGCAGGAGCAAGTCAAGACATTAGTATTTAATTGTTATCAGCAG 180

DB 179 GTACACCTACTTGCAGGAGCAAGTCAAGGATTTAGCAGCTGTGTAGCTTGATCAGCAG 238
QY 181 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGTTGATCCATGTCAGGAGGAGTC 240
DB 239 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGTTGATCCATGTCAGGAGGAGTC 298
QY 241 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 300
DB 299 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 358
QY 301 CAGCTTAAGATTTTGGCACTTATTAAGTCTACAGGTTATAGTACCCCTGGAGCTTC 360
DB 359 CAGCTTAAGATTTTGGCACTTATTAAGTCTACAGGTTATAGTACCCCTGGAGCTTC 418
QY 361 GGCCAGGAGCAAGGTGGAATCAA 387
DB 419 GGCCAGGAGCAAGGTGGAATCAA 445

RESULT 12

US-10-040-244-15
Sequence 15, Application US/10040244
Publication No. US20030058427A1
GENERAL INFORMATION:
APPLICANT: KIRIN BEER KABUSHIKI KAISHA
APPLICANT: FORCE, WALKER F.
APPLICANT: TAKAHASHI, NOBUAKI
APPLICANT: MIYAYAMA, TOSHIYUKI
TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF HIGHLY ACTIVE ANTI-CD40 ANTIBODIES
FILE REFERENCE: 021286/0272501
CURRENT APPLICATION NUMBER: US/10/040,244
PRIOR FILING DATE: 2002-05-17
PRIOR APPLICATION NUMBER: 60/200,601
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: PCT/US01/13672
PRIOR FILING DATE: 2001-04-27
PRIOR APPLICATION NUMBER: 09/844,684
PRIOR FILING DATE: 2001-04-27
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 3.0
SEQ ID NO 15
LENGTH: 728
TYPE: DNA
ORGANISM: Homo sapiens
US-10-040-244-15

Query Match 83.5%; Score 323; DB 15; Length 728;
Best Local Similarity 89.7%; Pred. No. 5.5e-92;
Matches 347; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 1 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 60
DB 59 ATGACATGAGGCTCCCGCTCAGCTCCGAGGCTCTTCTGCTCCAGGTC 118
QY 61 AGATGTACATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 120
DB 119 AGATGTCCATCCAGATGACCCAGTCTCCATCTTCCCTGTGTCATCTGAGGACAGA 178
QY 121 GTACACCTACTTGCAGGAGCAAGTCAAGACATTAGTATTTAATTGTTATCAGCAG 180
DB 179 GTACACCTACTTGCAGGAGCAAGTCAAGGATTTAGCAGCTGTGTAGCTTGATCAGCAG 238
QY 181 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGTTGATCCATGTCAGGAGGAGTC 240
DB 239 AACCCAGGAAAGCTCCTAGCTCCTGATCTATGTTGATCCATGTCAGGAGGAGTC 298
QY 241 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 300
DB 299 CCATCAAGTTCCAGGAGAGTGAATCTGGACAGAGTTCACTCTCAGCTCAGCAGCTG 358
QY 301 CAGCTTAAGATTTTGGCACTTATTAAGTCTACAGGTTATAGTACCCCTGGAGCTTC 360

Db 359 CAGCTGAAGATTTTGCACCTAATTGTCAACAGGCTAGAGTTTCCCTCGGACATTC 418
QY 361 GGCCAAAGGAGCAAGGTGAAATCAAA 387
Db 419 GGCCAAAGGAGCAAGGTGAGATCAAA 445

RESULT 13

US-10-693-629-65
; Sequence 65, Application US/10693629
; Publication No. US20040120948A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; APPLICANT: MIYAYAMA, Toshitumi
; APPLICANT: YOSHIDA, Hitoshi
; APPLICANT: FORCE, Walker, R.
; APPLICANT: CHEN, Xingjie
; APPLICANT: TAKAHASHI, Nobuaki
; TITLE OF INVENTION: ANTI CD40 MONOCLONAL ANTIBODY
; FILE REFERENCE: 021286-0306473
; CURRENT APPLICATION NUMBER: US/10/693,629
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/13672
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US09/644,684
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: JP2001/142482
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: JP2001/310535
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US10/040,244
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 65
; LENGTH: 728
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-693-629-65

Query Match 83.5%; Score 323; DB 17; Length 728;
Best Local Similarity 89.7%; Pred. No. 5.5e-92;
Matches 347; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
Db 59 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 118
QY 61 AGATGTGACATCCAGATGACCCAGTCTCACTTCCCTGTCTGATCTGTAGGGGACAGA 120
Db 119 AGATGTGACATCCAGATGACCCAGTCTCACTTCCCTGTCTGATCTGTAGGGGACAGA 178
QY 121 GTCAACCATCTCTGCAAGGGCAAGTCAAGACATTAAGTATTAAATGTATCAAGAG 180
Db 179 GTCAACCATCTCTGCAAGGGCAAGTCAAGACATTAAGTATTAAATGTATCAAGAG 238
QY 181 AAACCAAGAAAGTCTTAAGTCTTATGATCTATGTCATCCAGTTTGAAGTGGGGTCC 240
Db 239 AAACCAAGAAAGTCTTAAGTCTTATGATCTATGTCATCCAGTTTGAAGTGGGGTCC 298
QY 241 CCATCAAGTTTCAGGGGCAAGTGTGAGACAGAGTTCACTTCAACCGTCAGACCTCTG 300
Db 299 CCATCAAGTTTCAGGGGCAAGTGTGAGACAGAGTTCACTTCAACCGTCAGACCTCTG 358
QY 301 CAGGCTGAAGTTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
Db 359 CAGGCTGAAGTTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 418
QY 361 GGCCAAAGGAGCAAGGTGAAATCAAA 387
Db 419 GGCCAAAGGAGCAAGGTGAGATCAAA 445

RESULT 14

US-09-905-243-57
; Sequence 57, Application US/09905243
; Patent No. US20020062009A1
; GENERAL INFORMATION:
; APPLICANT: Taylor, Alexander H
; TITLE OF INVENTION: Monoclonal Antibodies with Reduced
; FILE REFERENCE: P50770
; CURRENT APPLICATION NUMBER: US/09/905,243
; CURRENT FILING DATE: 2001-07-15
; PRIOR APPLICATION NUMBER: 09/300,970
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 57
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Macaca cynomolgus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(390)
US-09-905-243-57

Query Match 83.0%; Score 321.4; DB 9; Length 390;
Best Local Similarity 89.4%; Pred. No. 1.4e-91;
Matches 346; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
QY 61 AGATGTGACATCCAGATGACCCAGTCTCACTTCCCTGTCTGATCTGTAGGGGACAGA 120
Db 61 AGATGTGACATCCAGATGACCCAGTCTCACTTCCCTGTCTGATCTGTAGGGGACAGA 120
QY 121 GTCAACCATCTCTGCAAGGGCAAGTCAAGACATTAAGTATTAAATGTATCAAGAG 180
Db 121 GTCAACCATCTCTGCAAGGGCAAGTCAAGACATTAAGTATTAAATGTATCAAGAG 180
QY 181 AAACCAAGAAAGTCTTAAGTCTTATGATCTATGTCATCCAGTTTGAAGTGGGGTCC 240
Db 181 AAACCAAGAAAGTCTTAAGTCTTATGATCTATGTCATCCAGTTTGAAGTGGGGTCC 240
QY 241 CCATCAAGTTTCAGGGGCAAGTGTGAGACAGAGTTCACTTCAACCGTCAGACCTCTG 300
Db 241 CCATCAAGTTTCAGGGGCAAGTGTGAGACAGAGTTCACTTCAACCGTCAGACCTCTG 300
QY 301 CAGGCTGAAGTTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
Db 301 CAGGCTGAAGTTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
QY 361 GGCCAAAGGAGCAAGGTGAAATCAAA 387
Db 361 GGCCAAAGGAGCAAGGTGAGATCAAA 387

RESULT 15

US-10-066-543-2025
; Sequence 2025, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jianshun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Iodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Derrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ. ID NOS: 3417
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ. ID NO 2025
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-066-543-2025

Query Match 83.0%; Score 321.4; DB 15; Length 514;
Best Local Similarity 89.4%; Pred. No. 1.6e-91;
Matches 346; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 1 ATGGACATGAGGTTCCCGCTCAGCTCCTGAGGCTCTTCTGCTGAGCTCCAGGTGCC 60
Db 12 ATGGACATGAGGTTCCCGCTCAGCTCCTGAGGCTCTTCTGCTGAGCTCCAGGTGCC 71
QY 61 AGATGTGACATCCAGATGACCCAGTCTCCATCTTCCCTGTGATCTGTAGGGACAGA 120
Db 72 AGATGTGACATCCAGATGACCCAGTCTCCATCTTCCCTGTGATCTGTAGGGACAGA 131
QY 121 GTACCATCTACTTGCAGGGGACAGTCCAGACATTAGGATATTATTAATTGATACAGCAG 180
Db 132 GTACCATCTACTTGCAGGGGACAGTCCAGACATTAGGATATTATTAATTGATACAGCAG 191
QY 181 AAACCGAGAAAGCTCCTAAGCTCTGATCTATGTGATCCAGTTTGCAAGTGGGCTC 240
Db 192 AAACCGAGAAAGCTCCTAAGCTCTGATCTATGTGATCCAGTTTGCAAGTGGGCTC 251
QY 241 CCATCAAGTTTACGGCGGAGTGAATCTGGGACAGATTCACTCTCACCGTCAGAGCTTG 300
Db 252 CCATCTCGTTCAAGTGAATCTGGGACAGATTCACTCTCACCGTCAGAGCTTG 311
QY 301 CAGCTGAAGATTGTTGCACTTATTAAGTCTGTAAGATTATAGTACCCCTCGACGTTTC 360
Db 312 CAGCTGAAGATTGTTGCACTTATTAAGTCTGTAAGATTATAGTACCCCTCGACGTTTC 371
QY 361 GGCCAAAGGACCAAGTGGAAATCAAA 387
Db 372 GGCCAAAGGACCAAGTGGAAATCAAA 398

Search completed: August 23, 2004, 09:17:32
Job time : 1210.72 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 89.1665 Seconds

(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-2

Sequence: 1 atgaacacctggtgtctt.....tcctgtcaccgtctctca 423

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

1: Issued_Patents.NA.*
2: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/BACKFILE1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	423	100.0	423	3	US-08-803-085-2
2	313.2	74.0	1431	3	US-08-487-850-11
3	313.2	74.0	1431	3	US-09-526-098-11
4	299.8	70.9	1404	3	US-08-523-894-7
5	299.8	70.9	1404	3	US-08-523-894-9
6	299.8	70.9	1404	3	US-08-523-894-11
7	298.2	70.5	423	1	US-08-379-072A-19
8	298.2	70.5	423	1	US-08-481-869-19
9	298.2	70.5	423	1	US-08-476-237-15
10	295.2	69.8	420	1	US-08-478-039-107
11	295.2	69.8	420	1	US-08-476-349A-107
12	295.2	69.8	420	1	US-08-523-894-1
13	292.4	69.1	1431	3	US-08-487-850-3
14	292.4	69.1	1431	3	US-08-526-098-1
15	289.6	68.5	1567	3	US-08-049-672A-17
16	270	63.8	1543	4	US-08-800-729-74
17	266.2	62.9	403	3	US-09-042-353-357
18	266.2	62.9	403	3	US-08-758-417A-205
19	263.8	62.4	404	4	US-09-042-353-355
20	263.8	62.4	404	4	US-08-758-417A-203
21	261.2	61.7	1341	4	US-09-372-425A-7
22	261.2	61.7	2674	4	US-09-372-425A-1
23	257.8	60.9	524	3	US-09-042-353-419
24	257.8	60.9	524	3	US-08-758-417A-219
25	257.8	60.9	4926	3	US-09-042-353-418
26	257.8	60.9	4926	4	US-08-758-417A-268
27	257.8	60.9	4926	4	US-08-758-417A-268

28	257.6	60.9	413	3	US-09-042-353-351	Sequence 351, App
29	257.6	60.9	413	4	US-08-758-417A-199	Sequence 199, App
30	257.4	60.9	450	4	US-09-582-337-13	Sequence 13, App
31	249.4	59.0	624	3	US-08-545-809A-28	Sequence 28, App
32	247	58.4	402	1	US-08-259-372A-5	Sequence 5, App
33	247	58.4	402	1	US-08-468-671-5	Sequence 5, App
34	243	57.4	800	3	US-08-545-809A-55	Sequence 55, App
35	241.4	57.1	840	3	US-09-260-527-4	Sequence 4, App
36	239.6	56.6	1212	3	US-08-545-809A-61	Sequence 61, App
37	238.2	56.3	650	3	US-08-545-809A-4	Sequence 4, App
38	238	56.3	800	3	US-08-545-809A-39	Sequence 39, App
39	237.8	56.2	366	1	US-08-360-125-9	Sequence 9, App
40	237.8	56.2	366	2	US-08-450-578-9	Sequence 9, App
41	237.8	56.2	366	2	US-09-017-628-9	Sequence 9, App
42	237.8	56.2	366	4	US-09-014-880-9	Sequence 9, App
43	237.8	56.2	366	4	US-08-450-363-9	Sequence 9, App
44	236.6	55.9	622	3	US-08-545-809A-59	Sequence 59, App
45	227.2	53.7	1418	4	US-08-793-450-7	Sequence 7, App

ALIGNMENTS

RESULT 1
US-08-803-085-2
Sequence 2, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
City: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..423
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 58..423
US-08-803-085-2
Query Match 100.0%, Score 423, DB 3, Length 423;


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APPLICATION NUMBER: US/09/526,098
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1431
US-09-526-098-11

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Query Match 74.0%; Score 313.2; DB 4; Length 1431;

Best Local Similarity 84.5%; Pred. No. 8.7e-83; Matches 370; Conservative 0; Mismatches 53; Indels 15; Gaps 1;

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QY 1 ATGAAACACCTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGTCTGTCAG 60
Db 1 ATGAAACACCTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGTCTGTCAG 60
QY 61 CTGACGTGACAGAGTGGGCGGACGAGGTGTAAGCTTCGAGACCTGTCCTCACC 120
Db 61 GTGACGTGACAGAGTGGGCGGACGAGGTGTAAGCTTCGAGACCTGTCCTCACC 120
QY 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
Db 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
QY 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
Db 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
QY 181 CCAAGGAAAGGAGCTGAGTGGATTGACGTATCTGTGTAGTGGTGGGCGACCAACTAC 240
Db 181 CCAAGGAAAGGAGCTGAGTGGATTGACGTATCTGTGTAGTGGGCGACCAACTAC 240
QY 241 AACCGTCCCTCAAGATCGAGTCAATTTTCAACAACACGTCACAGAACCACTTCTCC 300
Db 241 AACCGTCCCTCAAGATCGAGTCAATTTTCAACAACACGTCACAGAACCACTTCTCC 300
QY 301 CTGAACCTGAATCTGTGACCGCGCGAGACCGGCGCTGTATTACTGTGCGACAGATTGG 360
Db 301 CTGAACCTGAATCTGTGACCGCGCGAGACCGGCGCTGTATTACTGTGCGACAGATTGG 360
QY 361 GCCCAATAGCTGAACA-----CGTTAGGCTTTGGGGCCAGGGAGTC 405
Db 361 CTTTTCAGTTGTGAAATGGTTTACACAACTGATGATGTGGGGCGGGAGTC 420
QY 406 CTGATCACCGTCTCTCA 423
Db 421 CTGATCACCGTCTCTCA 438

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RESULT 4
US-08-523-894-7
; Sequence 7, Application US/08523894
; Patent No. 6136310
; GENERAL INFORMATION:
; APPLICANT: Hanna, Nabih

```

APPLICANT: Newman, Roland A.
APPLICANT: Ref: Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1404 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
POSITION IN GENOME:
CHROMOSOME/SEGMENT: heavy chain variable and constant gamma
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1404
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1404
US-08-523-894-7

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Query Match 70.9%; Score 299.8; DB 3; Length 1404;
Best Local Similarity 83.5%; Pred. No. 7.7e-79;
Matches 353; Conservative 0; Mismatches 67; Indels 3; Gaps 1;

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QY 1 ATGAAACACCTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGTCTGTCAG 60
Db 1 ATGAAACACCTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGTCTGTCAG 60
QY 61 CTGACGTGACAGAGTGGGCGGACGAGGTGTAAGCTTCGAGACCTGTCCTCACC 120
Db 61 GTGACGTGACAGAGTGGGCGGACGAGGTGTAAGCTTCGAGACCTGTCCTCACC 120
QY 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
Db 121 TGGCGTCTCTGTGTTGCTCTGTCAGAGTATGTAAGTGGAGCTGGAGCCGACGCC 180
QY 181 CCAAGGAAAGGAGCTGAGTGGATTGACGTATCTGTGTAGTGGTGGGCGACCAACTAC 240
Db 181 CCAAGGAAAGGAGCTGAGTGGATTGACGTATCTGTGTAGTGGGCGACCAACTAC 240
QY 241 AACCGTCCCTCAAGATCGAGTCAATTTTCAACAAGACAGTCTCAAGTCTCC 300
Db 241 AACCGTCCCTCAAGATCGAGTCAATTTTCAACAAGACAGTCTCAAGTCTCC 300
QY 301 CTGAACCTGAATCTGTGACCGCGCGAGACCGGCGCTGTATTACTGTGCGACAGATTGG 360
Db 301 CTGAACCTGAATCTGTGACCGCGCGAGACCGGCGCTGTATTACTGTGCGAGATT-- 357

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CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,869
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/379,072A
FILING DATE: 25-JAN-1995
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Rea, Teresa Stanek
REGISTRATION NUMBER: 30,427
REFERENCE/DOCKET NUMBER: 012712-067
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-6620
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-481-869-19

Query Match 70.5%; Score 298.2; DB 1; Length 423;
Best Local Similarity 83.2%; Pred. No. 1.5e-78;
Matches 352; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

1 ATGAACACCTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGCTCTGTCAG 60
4 ATGAACACCTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGCTCTGTCAG 63
61 CTGACGCTGAGAGTGGGCGGCGGAGAGTGAAGTCCAGATGGGCTCTGTCAG 120
64 GTGACGCTGAGAGTGGGCGGCGGAGAGTGAAGTCCAGATGGGCTCTGTCAG 123

121 TGGGCTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 180
124 TGAAGTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 183

181 CCAAGGAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 240
184 CCAAGGAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 243

241 AACCGTCTCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 300
244 AATCCCTCTCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 303

301 CTGAACCTGAAGTCTGTGAAGTCTGTGAAGTCTGTGAAGTCTGTGAAGTCTGTGA 360
304 CTGAACCTGAAGTCTGTGAAGTCTGTGAAGTCTGTGAAGTCTGTGAAGTCTGTGA 360

361 GCCCAATGCTGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 420
361 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 420

421 TCA 423

Db 421 TCA 423

RESULT 9
US-08-476-237-15
Sequence 15, Application US/08476237
Patent No. 5756096
GENERAL INFORMATION:
APPLICANT: NEWMAN, Roland A.
APPLICANT: HANNA, Nabil
APPLICANT: RAAB, Ronald W.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,237
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-133
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-6620
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-476-237-15

Query Match 70.5%; Score 298.2; DB 1; Length 423;
Best Local Similarity 83.2%; Pred. No. 1.5e-78;
Matches 352; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

1 ATGAACACCTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGCTCTGTCAG 60
4 ATGAACACCTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGCTCTGTCAG 63

61 CTGACGCTGAGAGTGGGCGGCGGAGAGTGAAGTCCAGATGGGCTCTGTCAG 120
64 GTGACGCTGAGAGTGGGCGGCGGAGAGTGAAGTCCAGATGGGCTCTGTCAG 123

121 TGGGCTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 180
124 TGAAGTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 183

181 CCAAGGAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 240
184 CCAAGGAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 243

241 AACCGTCTCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 300

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Db      244  AATCCCTCCCTCAACATGAGTCTCAATTCATATGACAGCTCCAAAGACCTCTTCC 303
QY      301  CTGAACCTGAGACTCTGTACACCGCCGAGACAGCGCGGTATATCTGTGCGAGATTGG 360
Db      304  CTGAACCTGAGACTCTGTACACCGCCGAGACAGCGCGGTATATCTGTGCGAGATT--- 360
QY      361  GCCCAATAGCTGGAACAACGCTAGGCTTCTGGGGCCAGAGTCTCTGTCACCGTCTCC 420
Db      361  ATATGAATAATCTTCACTGTTATATATCTGGGCGCAGGAGTCTCTGTCACCGTCTCC 420
QY      421  TCA 423
Db      421  TCA 423

RESULT 10
US-08-478-039-107
; Sequence 107, Application US/08478039
; Patent No. 5681722
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESSES:
; ADDRESS: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,039
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-160
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 107:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 420 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Monkey
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: Anti-CD4 VH
; FEATURE:

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; NAME/KEY: CDS
; LOCATION: 4..420
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 61..420
; US-08-478-039-107

Query Match      69.8%; Score 295.2; DB 1; Length 420;
Best Local Similarity 83.1%; Pred. No. 1.1e-77;
Matches 349; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

QY      1  ATGAAACACCTGTGTTCTTCTCTCTCTCTGTCAGACTCCAGATGGTCTGTCCAG 60
Db      4  ATGAAACACCTGTGTTCTTCTCTCTCTCTGTCAGACCCCGAGATGGGTCTGTCCAG 63
QY      61  CTGACGCTGAGAGAGTGGGCGCCAGAGATGTAACCTTGGAGACCTGTCTCAGC 120
Db      64  GTGCACTGAGAGAGGCGGCGCCAGAGACTGTGTAACCTTGGAGACCTGTCTCAGC 123
QY      121  TGGCTGTCTCTGAGGCTCTGTCTGACAGATGTAATCTGGTGAACCTGATCCGACGCC 180
Db      124  TGCAGTGTCTCTGTGGTCTCATCAGCGGTGACTATTATGTTCTGTGATCCGACGTC 183
QY      181  CCAGGGAAGGAGCTGAGTGAATTGACGTATCTCTGTAGTGTGGGCCCAACCACTAC 240
Db      184  CCAGGGAAGGAGCTGAGTGAATCGGCTACATCTATGACAGTGTGGGGCACCAATTAC 243
QY      241  AACCGCTCCCTCAAGAGTGAAGTCAATTCATTCACAGACAGCGCCAGAACAGTCTCC 300
Db      244  AATCCCTCCCTCAACATGAGTCTCAATTCATATGACAGCGCCAGAACCTCTCTCC 303
QY      301  CTGAACCTGAACTCTGTGAACGCGCGGACAGCGCCGTATTAATCTGTCCAGAGATTGG 360
Db      304  CTGAACCTGAGGCTGTGACCGCGGAGACAGCGCGGTATTAATCTGTGCGAGTAT--- 360
QY      361  GCCCAATAGCTGGAACAACGCTAGGCTTCTGGGGCCAGAGTCTCTGTCACCGTCTCC 420
Db      361  ATATGAATAATCTTCACTGTTATATATCTGGGCGCAGGAGTCTCTGTCACCGTCTCC 420

RESULT 11
US-08-476-349A-107
; Sequence 107, Application US/08476349A
; Patent No. 5750105
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESSES:
; ADDRESS: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,349A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:

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1 APPLICATION NUMBER: US 07/8556,281
2 FILING DATE: 23-MAR-1992
3 PRIOR APPLICATION DATA:
4 APPLICATION NUMBER: US 07/735,064
5 FILING DATE: 25-JUL-1991
6 ATTORNEY/AGENT INFORMATION:
7 NAME: Teekin Esq., Robin L.
8 REGISTRATION NUMBER: 35,030
9 REFERENCE/DOCKET NUMBER: 012712-16
10 TELECOMMUNICATION INFORMATION:
11 TELEPHONE: 703-836-6620
12 TELEFAX: 703-836-2021
13 INFORMATION FOR SEQ ID NO: 107:
14 SEQUENCE CHARACTERISTICS:
15 LENGTH: 420 base pairs
16 TYPE: nucleic acid
17 STRANDEDNESS: not relevant
18 TOPOLOGY: not relevant
19 MOLECULE TYPE: peptide
20 ORIGINAL SOURCE:
21 ORGANISM: Monkey
22 POSITION IN GENOME:
23 CHROMOSOME/SEGMENT: Anti-CD4 VH
24 FEATURE:
25 NAME/KEY: CDS
26 LOCATION: 4...420
27 FEATURE:
28 NAME/KEY: mat_peptide
29 LOCATION: 61...420
30 US-08-476-349A-107

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Query Match	100.0%;	Score 423;	DB 10;	Length 423;
Best Local Similarity	100.0%;	Pred. No. 8.9e-119;		
Matches 423;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	ATGAAACACCTGTGGTTCTTCTCTCTCCGTGGGAGAGTCCAGATGGGTCGTGTCCAG	60
Db	1	ATGAAACACCTGTGGTTCTTCTCTCTCCGTGGGAGAGTCCAGATGGGTCGTGTCCAG	60
QY	61	CTGCAGCTGCAGAGATCGGGCCCAAGAGTGTAAAGCTTTGGAGACCTGTCTCTACCC	120
Db	61	CTGCAGCTGCAGAGATCGGGCCCAAGAGTGTAAAGCTTTGGAGACCTGTCTCTCTACCC	120
QY	121	TGGGCTGTCTCTGGTGGCTCTGTACAGAGTAGTAACTGGTGGACCTGGATCCGCGCAGGCC	180
Db	121	TGGGCTGTCTCTGGTGGCTCTGTACAGAGTAGTAACTGGTGGACCTGGATCCGCGCAGGCC	180
QY	181	CCAGGGAGGAGCTGAGAGTGGATTGAGACGTATCTCTGGTAGTGGTGGGGCCACCAACTAC	240
Db	181	CCAGGGAGGAGCTGAGAGTGGATTGAGACGTATCTCTGGTAGTGGTGGGGCCACCAACTAC	240
QY	241	AACCCGTCCTCAAGAGTGAAGTCATCATTTACAAAGACAGTCCAGAAGACAGTTCTCC	300
Db	241	AACCCGTCCTCAAGAGTGAAGTCATCATTTACAAAGACAGTCCAGAAGACAGTTCTCC	300
QY	301	CTGAACCTGAACCTGTGACCGGCGGGGACAGCGCCGTGTATTACTGTGCGAGAGATTGG	360
Db	301	CTGAACCTGAACCTGTGACCGGCGGGGACAGCGCCGTGTATTACTGTGCGAGAGATTGG	360
QY	361	GCCCAATAGCTGAAACAAAGCTAGGCTTCTGGGGCCAGGAGTCTGGTCAACGCTTCC	420
Db	361	GCCCAATAGCTGAAACAAAGCTAGGCTTCTGGGGCCAGGAGTCTGGTCAACGCTTCC	420
QY	421	TCA	423
Db	421	TCA	423

RESULT 2
 US-10-103-686-2
 Sequence 2, Application US/10103686
 Publication No. US20030059424n1
 GENERAL INFORMATION:
 APPLICANT: REPF, Michael L. E.
 KLOETZER, William S.
 NAKAMURA, Takehiko
 TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
 ANTIBODIES AND USE THEREOF AS THERAPEUTICS
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 STREET: P.O. Box 1404
 City: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

Query Match	100.0%;	Score 423;	DB 15;	Length 423;
Best Local Similarity	100.0%;	Pred. No. 8.9e-119;		
Matches 423;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	ATGAAACACCTGATGGTTCTTCCTCCTCTGGGCGAGCTCCAGATGGATCTCTCCAG	60
Db	1	ATGAAACACCTGATGGTTCTTCCTCCTCTGGGCGAGCTCCAGATGGATCTCTCCAG	60
QY	61	CTGCAGCTCAGAGATCGGGCCAGAGATGGTGAAGCTTGGAGACCTCTCTCAAC	120
Db	61	CTGCAGCTCAGAGATCGGGCCAGAGATGGTGAAGCTTGGAGACCTCTCTCAAC	120
QY	121	TGGCTGTCTTGTGTGCTCTGTGCAGATGTAGTAACTGTGAGACCTGGATCCGCACCC	180
Db	121	TGGCTGTCTTGTGTGCTCTGTGCAGATGTAGTAACTGTGAGACCTGGATCCGCACCC	180
QY	181	CCAGGAGAAGGACCTGAGATGGATTTGAGAGTATCTCTGTAGTGTGGGCCACCACTAC	240
Db	181	CCAGGAGAAGGACCTGAGATGGATTTGAGAGTATCTCTGTAGTGTGGGCCACCACTAC	240
QY	241	AACCCGCTCCTCAAGATGGAGTCAATTCATTCACAAACACGTCACAGAACCAATTC	300
Db	241	AACCCGCTCCTCAAGATGGAGTCAATTCATTCACAAACACGTCACAGAACCAATTC	300
QY	301	CTGACACTGAACTCTGTGACCCCGCGGACACGCGCGTATTACTGTGCCAGATTTG	360
Db	301	CTGACACTGAACTCTGTGACCCCGCGGACACGCGCGTATTACTGTGCCAGATTTG	360
QY	361	GCCCAATATGCTGGAACAAACGCTTAGGCTTCTGGGSCACAGAGTCTGTGATCACTTCC	420
Db	361	GCCCAATATGCTGGAACAAACGCTTAGGCTTCTGGGSCACAGAGTCTGTGATCACTTCC	420
QY	421	TCA 423	
Db	421	TCA 423	

RESULT 3
US-09-948-429B-11
; Sequence 11, Application US/09948429B

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Patent No. US2002017689A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF"
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/948,429B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1431
US-09-948-429B-11

Query Match          74.0%; Score 313.2; DB 9; Length 1431;
Best Local Similarity 84.5%; Pred. No. 3.1e-85;
Matches 370; Conservative 0; Mismatches 53; Indels 15; Gaps 1;
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Db
241 AACCCCTCCCTCAGAGTCAAGTCAACATTTCAACAGACAGCTCCAGAACAGAGTTCTCC 300
QY 301 CTGAACCTGAAGTCTGTGACGCGCGGACACGCGCGTGTATTACTGTGCCAGAGATTGG 360
Db 301 CTGAAGCTGAAGTCTGTATGACCGCGGACACGCGCGTGTATTACTGTGTGAGAGATTGT 360
QY 361 GCCCAATAGCTGAACAA-----CGTAGGCTTGTGGGCGCAGGAGATC 405
Db 361 CTTTTCAGTGTGTGAAGTGTTCACAAACAGTGTTCATGTCTGGGCGCGGAGATC 420
QY 406 CTGTACCGCTCTCTCA 423
Db 421 CTGTACCGCTCTCTCA 438

RESULT 4
US-09-758-173-11
Sequence 11, Application US/09758173
Publication No. US20010024648A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF"
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/758,173
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1431
US-09-758-173-11

Query Match          74.0%; Score 313.2; DB 13; Length 1431;
Best Local Similarity 84.5%; Pred. No. 3.1e-85;
Matches 370; Conservative 0; Mismatches 53; Indels 15; Gaps 1;
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RESULT 10

US-10-211-357-7

Sequence 7, Application US/10211357
Publication No. US2003007275A1

GENERAL INFORMATION:

APPLICANT: Hanna, Nabli
Ref: Mitchell E.

Newman, Roland A.

TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human

Therapy

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince Street

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22314-3187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/211,357

FILING DATE: 05-Aug-2002

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US/09/612,914A

FILING DATE: 10-Jul-2000

APPLICATION NUMBER: US 08/523,894

FILING DATE: 06-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-165

TELEPHONE: 703-836-6620

TELEFAX: 703-836-6620

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 1404 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

POSITION IN GENOME:

CHROMOSOME/SEGMENT: heavy chain variable and constant gamma

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1404

FEATURE:

NAME/KEY: mat peptide

LOCATION: 1..1404

SEQUENCE DESCRIPTION: SEQ ID NO: 7:

US-10-211-357-7

Query Match 70.9%; Score 299.8; DB 15; Length 1404;
Best Local Similarity 83.5%; Pred. No. 3.8e-81;
Matches 353; Conservative 0; Mismatches 67; Indels 3; Gaps 1;

QY 1 ATGAACACCTGTTCTTCTCCCTCGTGGACGCTCCAGATGGTCTCTGCTCCAG 60
DB 1 ATGAACACCTGTTCTTCTTCTCTCTCTGCTGGACGCTCCAGATGGTCTCTGCTCCAG 60
QY 61 CTGACACTGAGAGATCGGAGCCAGAGATGTAAGCTTCTGAGACCTCTGCTCCAG 120
DB 61 GTGACACTGAGAGATCGGAGCCAGAGATGTAAGCTTCTGAGACCTCTGCTCCAG 120
QY 121 TGGCTGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 180
DB 121 TGGCTGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 180

QY 181 CCAGGAAAGGAGCTGAGATGATGAGACATCTCTGTGATGTTGGGCGCCACCACTAC 240
DB 181 CCAGGAAAGGAGCTGAGATGATGAGACATCTCTGTGATGTTGGGCGCCACCACTAC 240
QY 241 AACCCGCTCCAGAGTGAAGTCACTATTCACAGACAGTCCAGAACCACTCTCC 300
DB 241 AATCCCTCCAGAGTGAAGTCACTATTCACAGACAGTCCAGAACCACTCTCTCC 300
QY 301 CTGAACCTGAACTCTGTGACCCGCGGACACCGCCGCTGATTACTGTGCCAGATTTG 360
DB 301 CTGAACCTGAACTCTGTGACCCGCGGACACCGCCGCTGATTACTGTGCCAGATTTG 360
QY 361 GCCCAATAGCTGGAACAGCTGAGCTTCTGAGGCGCCAGGAGTCTGATCCTCTCC 420
DB 361 ATATTGAATATCTTCACTGATTAATTAATGAGGCGCCAGGAGTCTGATCCTCTCC 420
QY 421 TCA 423
DB 421 TCA 420

RESULT 11

US-10-211-357-9

Sequence 9, Application US/10211357
Publication No. US2003007275A1

GENERAL INFORMATION:

APPLICANT: Hanna, Nabli
Ref: Mitchell E.

Newman, Roland A.

TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human

Therapy

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince Street

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22314-3187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/211,357

FILING DATE: 05-Aug-2002

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US/09/612,914A

FILING DATE: 10-Jul-2000

APPLICATION NUMBER: US 08/523,894

FILING DATE: 06-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-165

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 1404 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

POSITION IN GENOME:

CHROMOSOME/SEGMENT: heavy chain gamma 4 with the E mutation

FEATURE:

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? NAME/KEY: CDS
? LOCATION: 1..1404
?
? FEATURE:
? NAME/KEY: mat.peptide
? LOCATION: 1..1404
? SEQUENCE DESCRIPTION: SEQ ID NO: 9
?
? OS-10-211-357-9

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Query Match	70.9%	Score 299.8;	DB 15;	Length 1404;
Best Local Similarity	83.5%;	Pred. No. 3,8e-81;		
Matches 353;	Conservative 0;	Mismatches 67;	Indels 3;	Gaps 1

QY	1	ATGAACACCTGTGGTTCTTCTCCTCCTGTGGCAGTCCAGATGGGTCCTGTCCAG	60
Db	1	ATGAACACCTGTGGTTCTTCTCCTCCTGTGGCAGTCCAGATGGGTCCTGTCCAG	60
QY	61	CTGCAGCTCAGAGATCGGGCCAGAGATGGTGAAGCTTCGGAGACCTGTCTCCCTAC	120
Db	61	GTGCACCTCAGAGAGTCGGGCCAGAGACTGGTGAAGCTTCGGAGACCTGTCTCCCTAC	120
QY	121	TGGCGTCTGTGGTGGCTCTGTGCAGTAGTAACTGTGGAAGCTTGACCTGGATCCGACGCC	180
Db	121	TGCAGTGTCTGTGGTGGCTCCATTCAGCGGTACATTAATGGTTCTGGATCCGCCAGTCC	180
QY	181	CCAGGAGAGGACTGGAGTGGATTGACGATCTCTGGTAAGTGTGGGCCCAACCACTAC	240
Db	181	CCAGGAGAGGACTGGAGTGGATCGGTACATCTATGCGAGTGTGGGGCCACCAATTAC	240
QY	241	AACCCCTCCCTCAAGTCGAGATCATATTTACAAGAAGCTCCAGAAACCGATCTCC	300
Db	241	AATCCCTCCCTCAACATGAGATCTCCATTTCAATAGACAGTCCAAAGAACTCTTCTCC	300
QY	301	CTGAACCTGAACCTGTGACCGCCCGGACACCGGCCGTGATTACTGTGCCAGAGATTGA	360
Db	301	CTGAACCTGAGGTCTGTGACCGCCCGGACACGGCCGTATTACTGTGGAGTAAT---	357
QY	361	GCCCAATATGCTGGAACAAAGCTAGGCTTTGGGGCCAGGGAGTCTGTGACACCGTCC	420
Db	358	ATATGAAATATCTTCACCTGTATTATTAATCGGGGCCAGGAGTCTGTGACACCGTCC	417
QY	421	TCA 423	
Db	418	TCA 420	

RESULT 12
 US-10-211-357-11
 Sequence 11, Application US/10211357
 Publication No. US2003007275A1
 GENERAL INFORMATION:
 APPLICANT: Hanna, Nabil
 Newman, Roland A.
 Reff, Mitchell E.
 TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
 Therapy
 NUMBER OF SEQUENCES: 59
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 STREET: 699 Prince Street
 City: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22314-3187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/211,357
 FILING DATE: 05-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:

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APPLICATION NUMBER: US/09/612,914A
FILING DATE: 10-Jul-2000
APPLICATION NUMBER: US 08/523,894
FILING DATE: 06-SEP-1995

ATTORNEY/AGENT INFORMATION:
NAME: teskin, Robin L.
REGISTRATION NUMBER: 35, 030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1404 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: heavy chain gamma 4 with the P and E
mutation

FEATURE:
NAME/KEY: CDS
LOCATION: 1..1404
FEATURE:
NAME/KEY: mat peptide
LOCATION: 1..1404
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-211-357-11

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Query Match	70.9%	Score 299.8;	DB 15;	Length 1404;
Best Local Similarity	83.5%;	Pred. No. 3.8e-81;		
Matches 353;	Conservative	0;	Mismatches 67;	Indels 3;
				Gaps 1.

OY		1	ATGAAACACTGTGGTTCTTCTCCTCCCTGTGGCAGCTCCAGAATGAGTCCTGTGCCAG	60
Dd		1	ATGAACAACACTGTGGTTCTTCTCTCTCTGTGGCAGCCCCCAATGGATTGTGTCCAG	60
OY		61	CTGCAGCTGCAGAGTCGGGCCCAAGAGTGGTAGAGCTTTGGAGACCTTGTCCCTACC	120
Dd		61	GTCACACTGCAGAGTCGGGCCCAAGAGTGGTAGAGCTTTGGAGACCTTGTCCCTACC	120
OY		121	TGGCGTGTCTTGAGTGGCTTCTGTACGACGTAGTAACGTGGGACCTGGATCCGCAGGCC	180
Dd		121	TGAGAGTGTCTGGTGGCTTCCATACGCGGTACTATTATTGGTTCTGGATCCGCCAETCC	180
OY		181	CCAGGAAAGGAGCTGGAGTGGATTGGACGTATCTCTGTAGTGGTGGGGCCACCAACTAC	240
Dd		181	CCAGGAAAGGAGCTGGAGTGGATTGGACGTATCTATATGGCAATGGTGGGGCACCAATTAC	240
OY		241	AACCGCTCCTCAAAGTGCAGTCAATCATTTTCCACAAGACGTCACGAACCGATTCTCC	300
Dd		241	AATCCCTCCTCAAACATGCACTGCATTTTCATTAAGACAGCTCCAAACCTCTTCTCC	300
OY		301	CTGAACCTGAACCTGTGACCGCCGCGACACAGCGCCGTTATATCTGTGCCAGGAAATTGG	360
Dd		301	CTGAACCTGAAGCTGTGACCGCCGCGGACACAGCGCCGTTATATCTGTGCCAGGAAT--	357
OY		361	GCCCAATATGCTGGAACCAACGCTTAGCGTTCTGGGGCCAGGAGTCTCTGGTCAACCGTCC	420
Dd		358	ATATTGAATAATCTTCACTGCTTATTATATACGGGGCCAGGAGTCTCTGGTCAACCGTCC	417
OY		421	TCA 423	
Dd		418	TCA 420	

RESULT 13
US-09-905-243-44
; Sequence 44, Application US/09905243
; Patent No. US20020062009A1

Query Match	Best Local Similarity	81.9%;	Score 319.6;	DB 2;	Length 902;
Matches	346;	Conservative	0;	Mismatches 44;	Indels 0;
					Gaps 0
QY	1	ATGACCTGGACTCTGCTCTCTCGTCAACCTCTCTCACTCAAGGGCACAGATCTGGGCTCAG	60		
Db	32	ATGGCTCTGGGGCTCTGCTGCTCTCTCAACCTCTCTCACTCAAGGACACAGGGCTCTGGGCTCCAG	91		
QY	61	TCTGCCCCGACTCAAGACCTCCCTCTGTGTCTGGAGTCTCTGGACAGTCCGATCCATCTCC	120		
Db	92	TCTGCCCCGACTCAAGCTCGCTCTCGTCTGGGTCTCTTGACAGTCCATCAACATCTCC	151		
QY	121	TGCACTGGACACCAAGGATGAGCTTGTGTATTAATATGTCTCTGGTACCACACCAAC	180		
Db	152	TGCACTGGAAACCAACAAATGATGGGAGTATTAACCTTGTCTCTCTGGTACCAGACAGAC	211		
QY	181	CCAGGCAAAAGCCCCCAAACTATGATTTATGATGTGCGTAAAGCGGCGCTCAGGGGTCTCT	240		
Db	212	CCAGGCAAAAGCCCCCAAAATCATGATTTATAGATGCACTAAGCGGCGCTCAGGGGTCTCT	271		
QY	241	GATGGCTTCTCTGGCTCCAGTCTGGCAACAGGCGCTCCCTGACCATTTCTGGGCTCCAG	300		
Db	272	AATGGCTTCTCTGGCTCCAGCTGGCAACAGGCGCTCCCTGACCAATCTTGGGCTCCAG	331		
QY	301	GCTGAGGACGAGGGCTGATTATCTGTTGCATATTAACAACAGAGGACTTGTATTC	360		
Db	332	GCTGAGGACGAGGGCTGATTATCTGCTGCTCATATGACAGGATGATTAACCTGTGTTC	391		
QY	361	GGAAGAGGACCCGGTTGACCGTCTAGT	390		
Db	392	GGCGAGAGGACCAACCTGACCGTCTAGT	421		

RESULT 4
DS-09-404-879A-267
Sequence 267, Application US/09404879A
Patent No. 6468546
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITILE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404, 879A
CURRENT FILING DATE: 1999-09-24

Query Match	Best Local Similarity	Matches	Conservative	Mismatches	Indels	Gaps
75.7%; Score 295.2; DB 4; Length 548;	87.7%; Pred. No. 3,7e-78;	0;	0;	46;	2;	2;
Query Match	Best Local Similarity	Matches	Conservative	Mismatches	Indels	Gaps
75.7%; Score 295.2; DB 4; Length 548;	87.7%; Pred. No. 3,7e-78;	0;	0;	46;	2;	2;
Query Match	Best Local Similarity	Matches	Conservative	Mismatches	Indels	Gaps
75.7%; Score 295.2; DB 4; Length 548;	87.7%; Pred. No. 3,7e-78;	0;	0;	46;	2;	2;

Oy	ATGGCCGTGACATCTGCTCCCTGCGTACACCCCTCCATCTAGAGGACAAGATCTCGGGCTCAG	60
Dp	ATGGCCCTGGGCTCTGCTCTCTCTCAACCCCTCTCACTACGGGACAAGGGTCTCTGGGCCAG	106
Oy	TTTGCCCCGATCAGACCTCCCTCTGTGTGGGTCTCTGGAACATGGCTCACCATCTCC	120
Dp	TCTGCCCCGTAGCTCAGCCTCCCTCCGGGCTCGGGGTCTCTTGACAGTCAAGTCAACATCTCC	166
Oy	TGCACCTGGGAACGAGCGATGACGTTGGTGGTTTAACTAAGTCTCCTGGTACCAACACAC	180
Dp	TGACCTGGGAACGAGCGATGACGTTGGTGGTTTAACTAAGTCTCCTGGTACCAACACAC	226
Oy	CCAGGCAAAACCCCCCAAACATGATGATTATTAATGTGCTGAAGCGGGCTCTCAGGGGTCTT	240
Dp	CCAGGCAAGCCCCCAAACATGATGATTATTAATGTGCTGAAGCGGGCTCTCAGGGGTCTT	286
Oy	GATGCTTCTCTGTGGTCCAAAGTGTGGCAACAGCGCTCCCTGACCATTTCTGGGCTTCAG	300
Dp	GATGCTTCTCTGTGGTCCAAAGTGTGGCAACAGCGCTCCCTGACCATTTCTGGGCTTCAG	346
Oy	GCTGAGGACGAGGCTGATTATTACT-GTTGTTCAATTACACAGGTACCATTTTGTAAT	359
Dp	GCTGAGGATGATAGCTGATTATTACTGTAAGAGCTCAATGTGAGGCAACAATTAATGGGTGTT	406
Oy	CGAAG-AGGAGCCCGGTTGACCGGTCTAGG	389
Dp	CGGCGAAGGACCAAGCTACCGGTCTAGG	437

```

RESULT 6
US-09-215-681-267
Sequence 267, Application US/09215681A
Patent No. 6528253
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Rudakis, Tony N.
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF OVARIAN CANCER
FILE REFERENCE: 210121.463
CURRENT APPLICATION NUMBER: US/09/215,681A
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 310
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 267
LENGTH: 548
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(548)
OTHER INFORMATION: n = A,T,C or G
US-09-215-681-267

```

Query Match	75.7%	Score 295.2	DB 4	Length 548
Best Local Similarity	87.7%	Pred. No. 3.7e-78		
Matches 34;	Conservative	0	Mismatches 46;	Indels 2

QY 1 ATGGCCCTGAACTGCTCTCCCTCCGTCACCCCTCTCACTCAAGGGACAGAGATCTCGGGCTCAG 60

Db 47 ATGGCTGGGGCTCTGCTCTCTCTCAACCTCTCTCACTCAAGGGACAGAGGCTCTGGGCCAG 100

QY 61 TCTGCCCCGACTCAAGCTCCCTCTGTGTCTGGCTCTCTGAACTGAGTGGTCAACATCTCC 120

Db 107 TCTGCCCTGACTAGCTCCCTCCGGGTCCGGGTCTCTGAGACAGTCAACATCTCC 160

QY 121 TGCACCTGAAACACGCGATGACGTTGGTGGTATTAAGTATGTCTCTGGTACCAACACAC 180

Db 167 TGCACCTGAAACACGACATGACGTTGGTGGTATTAAGTATGTCTCTGGTACCAACACAC 220

QY 181 CCAGGCAAGGCCCCCAACTCATGATTATTAAGATGTGGCTAAGCGGAGCCACAGGGGTCTCT 240

Db 227 CCAGGCAAGGCCCCCAACTCATGATTATTCAGATTAAGTACTTAACGGGCTCTCAAGGGTCTCT 280

```

QY      24  GATGCGTCTCTGGCTCCAAAGTGGCAACAAGCGCTCCGTGACCACTCTGGGCTCAG 300
Db      287  GATCGCTCTCTGGCTCCAAAGTCTGGCAACAAGCGCTCCGTGACCGTCTGGGCTCCAN 346
QY      301  GCTGAGGACGAGGCTGATTATTACT-GTTGTTCAATACCAACGATGACACTTTGTATT 359
Db      347  GCTGAGGATGANTCATTATTATTACGGAAGCTCATTGCAAGCAATGCGAACAACATTTGGGT 406
QY      360  CGGAG-AG-AGGACCCGGTGAACCGTCTAG 389
Db      407  CGGCGAAGGACCAACGCTGACCGTCTAG 437

RESULT 7
US-09-216-003A-267
/ Sequence 267, Application US/09216003A
/ Patent No. 6670463
/ GENERAL INFORMATION:
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Frudakis, Tony N.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
/ FILE REFERENCE: 210121.462
/ CURRENT APPLICATION NUMBER: US/09/216,003A
/ CURRENT FILING DATE: 1998-12-17
/ NUMBER OF SEQ. ID NOS.: 310
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ. ID NO. 267

```

```

RESULT 7
US-09-216-003A-267
; Sequence 267, Application US/09216003A
; Patent No. 6670463
;
; GENERAL INFORMATION:
; APPLICANT: Mitcam, Jennifer L.
; APPLICANT: Fridakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216,003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 267
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (346)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (358)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (432)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (510)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (512)
; OTHER INFORMATION: Where n is a, c, g or t
US-09-216-003A-267

```

Query Match	75.7%	Score 295.2	DB 4	Length 548
Best Local Similarity	87.7%	Pred. No. 3.7e-78		
Matches 343; Conservative	0	Mismatches 46;	Indels 2;	Gaps 2.

Qy	1	ATGGCCGAGACTGGTCTCCCTGGACCCCTGATCTACAGGAGACAGGAGATGAGGCTCAG	8
Db	47	ATGGCCGAGGCTCTGGCTCCCTCCCAACCCCTCACTCAGGGAGACAGGGTCTCTGGACCCAG	106
Qy	61	TCTGCCCCGAGCTCAGGCTCCCTCTGTGTGTGGGTCTCTGTGAACAATCGGTCAACATCTCC	120
Db	107	TCTCCCTGTAGCTAGGCTCCCTCCCTCCGGGTCTCTCTGTGACATCTCAGTCAACATCTCC	166
Qy	121	TGACATGGAACACGACATGACGTGTGGTGTAACTATGTCCTCTGTATCAACAACAAC	180
Db	167	TGACATGGAAACAAGCATGACGTGTGGTGTATTGATTAATTGTCTCTGTGTACCAACAAC	226
Qy	181	CCAGGCAAAACCCCAAACTCATGATTTATGATGTCCCTAAGCCGAGCTCAGAGGGTCTCT	240
Db	227	CCAGGCAAGGCCCCCAAACTCATGATTTTGTAGGTCTCATAGACGGCCCTCAGGGGTCCCT	286
Qy	241	GATGCTTCTCTGGCTCCAACTGTGGCAACAGGCTCCCTGACATCTCTGGGCTCCAG	300
Db	287	GATGCTTCTCTGGCTCCAACTGTGGCAACAGGCTCCCTGACATCTCTGGGCTCCAN	346

QY 301 GGTGAGACGAGGCTGATTATTAAT-CTTGTTCATATACACGATGACCTTTGTTAT 359
DB 347 GCTGAGATGATGAGCTGATTATTAATGAGGCTCATATGAGGACAAACAAATGGGTGTT 406
QY 360 CGGAG-AGGAGCCGGTTGACCGTCTAG 389
DB 407 CGGCGAAGGAGGACCAAGCTGACCGTCTAG 437

RESULT 8

US-10-039-785-59
Sequence 59, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
PRIOR FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/341,237
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/331,310
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/331,044
PRIOR FILING DATE: 2001-11-07
PRIOR APPLICATION NUMBER: 60/327,364
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/323,807
PRIOR FILING DATE: 2001-09-21
PRIOR APPLICATION NUMBER: 60/309,176
PRIOR FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/294,981
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/293,473
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 59
LENGTH: 735
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: DNA encoding T1014B11 scFv
US-10-039-785-59

Query Match 73.2%; Score 285.4; DB 4; Length 735;
Best Local Similarity 88.3%; Pred. No. 3.2e-75;
Matches 310; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 40 GGCACAGATCTGGGCTGAGTCTGCCCGACTGAGCTCCCTCTGTGTCTGGTCTCT 99
DB 385 GGCAGTGGCGAAGTGCACATCTGCCCTGACTGAGCTGCTCGTGTCTGGTCTCT 444
QY 100 GGAAGTCGTCACCATCTCTGCACTGGAACCAAGCATGACCTTGTGTATATAT 159
DB 445 GGAAGTCGTCACCATCTCTGCACTGGAACCAAGCATGACCTTGTGTATATAT 504
QY 160 GTCTCTGTGTCACCAACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 219
DB 505 GTCTCTGTGTCACCAACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 564
QY 220 AAGCGGCTTGAAGGGTCTCTGATGCTTCTGTGCTTCAAGTGTGGCAACGCGCTCC 279
DB 565 AATCGGCTTGAAGGGTCTCTGATGCTTCTGTGCTTCAAGTGTGGCAACGCGCTCC 624
QY 280 CTGACCATCTCTGGGCTTCAAGGCTGAGGACGAGGCTGATTATTAATGTTTCAATACA 339
DB 625 CTGACCATCTCTGGGCTTCAAGGCTGAGGACGAGGCTGATTATTAATGTTTCAATACA 684

QY 340 ACCAGTAGACCTTGTATTCGAAAGAGGACCCGGTTGACCGTCTAGGT 390
DB 685 ACCAGTAGACCTTGTGTGCGGAGGAGGACCAAGCTACCGTCTAGGT 735

RESULT 9

US-10-039-785-63
Sequence 63, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
PRIOR FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/341,237
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/331,310
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/331,044
PRIOR FILING DATE: 2001-11-07
PRIOR APPLICATION NUMBER: 60/327,364
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/323,807
PRIOR FILING DATE: 2001-09-21
PRIOR APPLICATION NUMBER: 60/309,176
PRIOR FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/294,981
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/293,473
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 63
LENGTH: 735
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: DNA encoding T1015A07 scFv
US-10-039-785-63

Query Match 73.2%; Score 285.4; DB 4; Length 735;
Best Local Similarity 88.3%; Pred. No. 3.2e-75;
Matches 310; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 40 GGCACAGATCTGGGCTGAGTCTGCCCGACTGAGCTCCCTCTGTGTCTGGTCTCT 99
DB 385 GGCAGTGGCGAAGTGCACATCTGCCCTGACTGAGCTGCTCGTGTCTGGTCTCT 444
QY 100 GGAAGTCGTCACCATCTCTGCACTGGAACCAAGCATGACCTTGTGTATATAT 159
DB 445 GGAAGTCGTCACCATCTCTGCACTGGAACCAAGCATGACCTTGTGTATATAT 504
QY 160 GTCTCTGTGTCACCAACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 219
DB 505 GTCTCTGTGTCACCAACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 564
QY 220 AAGCGGCTTGAAGGGTCTCTGATGCTTCTGTGCTTCAAGTGTGGCAACGCGCTCC 279
DB 565 AATCGGCTTGAAGGGTCTCTGATGCTTCTGTGCTTCAAGTGTGGCAACGCGCTCC 624
QY 280 CTGACCATCTCTGGGCTTCAAGGCTGAGGACGAGGCTGATTATTAATGTTTCAATACA 339
DB 625 CTGACCATCTCTGGGCTTCAAGGCTGAGGACGAGGCTGATTATTAATGTTTCAATACA 684
QY 340 ACCAGTAGACCTTGTATTCGAAAGAGGACCCGGTTGACCGTCTAGGT 390
DB 685 ACCAGTAGACCTTGTGTGCGGAGGAGGACCAAGCTACCGTCTAGGT 735

```

; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: PF550
; CURRENT APPLICATION NUMBER: US/10/039,785
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/369,860
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014A04 scFv
US-10-039-785-54

Query Match          70.7%; Score 275.8; DB 4; Length 735;
Best Local Similarity 86.6%; Pred.No. 2.3e-72;
Matches 304; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 40 GGCAAGATCTGGGCTCAAGTCGCCCCCACTAGCCTCCCTGTGTGCGGCTCCCT 99
   |||
DB 385 GGGCGTGGCGAATGTGACAGTCTGTGCTGACTGAGCAACCCTCCGGCTCTCT 444
   |||

QY 100 GGAAGTGTGAGCAGCATCTCTGTGACTGGAACACGAGTGCATTTAGTAATAT 159
   |||
DB 445 GGAAGTGTGAGCAGCATCTCTGTGACTGGAACACGAGTGCATTTAGTAATAT 504
   |||

QY 160 GTCTCTGTGTACCAACACACCCGAGGAAAGCCCAACATCATGATTTATGATGCT 219
   |||
DB 505 GTCTCTGTGTACCAACACACCCGAGGAAAGCCCAACATCATGATTTATGATGCT 564
   |||

QY 220 AAGTGGGAGCTAGAGGAGTCTGTATGATGCTCTCTGTGGCTTCAAGTCTGGCAACACGAGCTCC 279
   |||
DB 565 CAGGGGAGCTAGAGGAGTCTGTATGATGCTCTCTGTGGCTTCAAGTCTGGCAACACGAGCTCC 624
   |||

QY 280 CTGACCATCTCTGGGCTTCAGGCTGAGACGAGGCTGATTTACTGTTGTTCAATACA 339
   |||
DB 625 CTGACCGCTCTGGGCTTCAGGCTGAGAGATGAGGCTGATTTACTGAGTTCAATACA 684
   |||

QY 340 ACGGTAGCAATTTGTATTATGGAAGAGGAGCCCGGTGACCGCTTAGGT 390
   |||
DB 685 GGCAGCAACAATTTGGTGTGTCGAGAGGAGCCAAAGTACCGTCTTAGGT 735
   |||

RESULT 12
US-08-958-201-13
; Sequence 13: Application US/08958201
; Patent No. 5877319
; GENERAL INFORMATION:
; APPLICANT: Pope, Anthony R
; APPLICANT: Pritchard, Kevin J
; APPLICANT: Williams, Andrew J
; APPLICANT: Johnson, Kevin S
; TITLE OF INVENTION: Specific binding members for estradiol;

```


TITLE OF INVENTION: materials and methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/958,201
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,897
FILING DATE: 21-OCT-1996
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 333 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: 1C/2D
FEATURE:
NAME/KEY: CDS
LOCATION: 1..333
US-08-958-201-13

Query Match 70.6%; Score 275.4; DB 2; Length 333;
Best Local Similarity 89.2%; Pred. No. 2.3e-72;
Matches 297; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 58 CAGTGTGCCCCGACTGAGCTCCCTCTGTGTCTGGGTCTCTGAGCAGTGGTCAACATC 117
DB 1 CAGTGTGCTGTGACTGAGCTGCTGCTGTGTCTGGGTCTCTGAGCAGTGGTCAACATC 60
QY 118 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATGATGCTCTGTGTACCAAC 177
DB 61 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATGATGCTCTGTGTACCAAC 120
QY 178 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGCTGCTAAGCGGGCTCAGGGGTC 237
DB 121 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGCTGCTAAGCGGGCTCAGGGGTC 180
QY 238 TCTGATGCTTCTCTGTGCTCCAGTCTGCGCAACAGGCTCTCCCTGACCATCTTGAGGCTC 297
DB 181 CTTAATGCTTCTCTGTGCTCCAGTCTGCGCAACAGGCTCTCCCTGACCATCTTGAGGCTC 240
QY 298 CAGGCTGAGGAGGAGGCTGATTTACTGTTGTTATATACACAGAGGACTTTGTTA 357
DB 241 CAGGCTGAGGAGGAGGCTGATTTACTGAGCTCACTTAACGAGAGTCACTGTATC 300
QY 358 TTGGGAAGAGGAGCCCGGTTGACCGTCTAGGT 390
DB 301 TTGGGAGGAGGAGCCCAAGCTGACGCTCTAGGT 333

RESULT 13
US-08-958-201-11
Sequence 11, Application US/08958201
Patent No. 5977319
GENERAL INFORMATION:
APPLICANT: Pope, Anthony R
APPLICANT: Pritchard, Kevin
APPLICANT: Williams, Andrew J
APPLICANT: Johnson, Kevin S
TITLE OF INVENTION: Specific binding members for estradiol;
TITLE OF INVENTION: materials and methods

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/958,201
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,897
FILING DATE: 21-OCT-1996
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 333 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: D12 (light chain)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..333
US-08-958-201-11

Query Match 70.2%; Score 273.8; DB 2; Length 333;
Best Local Similarity 88.9%; Pred. No. 6.8e-72;
Matches 296; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 58 CAGTGTGCCCCGACTGAGCTCCCTCTGTGTCTGGGTCTCTGAGCAGTGGTCAACATC 117
DB 1 CAGTGTGCTGTGACTGAGCTGCTGCTGTGTCTGGGTCTCTGAGCAGTGGTCAACATC 60
QY 118 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATGATGCTCTGTGTACCAAC 177
DB 61 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATGATGCTCTGTGTACCAAC 120
QY 178 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGCTGCTAAGCGGGCTCAGGGGTC 237
DB 121 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGCTGCTAAGCGGGCTCAGGGGTC 180
QY 238 TCTGATGCTTCTCTGTGCTCCAGTCTGCGCAACAGGCTCTCCCTGACCATCTTGAGGCTC 297
DB 181 CTTAATGCTTCTCTGTGCTCCAGTCTGCGCAACAGGCTCTCCCTGACCATCTTGAGGCTC 240
QY 298 CAGGCTGAGGAGGAGGCTGATTTACTGTTGTTATATACACAGAGGACTTTGTTA 357
DB 241 CAGGCTGAGGAGGAGGCTGATTTACTGAGCTCACTTAACGAGAGTCACTGTATC 300
QY 358 TTGGGAAGAGGAGCCCGGTTGACCGTCTAGGT 390
DB 301 TTGGGAGGAGGAGCCCAAGCTGACGCTCTAGGT 333

RESULT 14
US-10-039-785-57
Sequence 57, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that immunospecifically bind to TRAIL
TITLE OF INVENTION: Receptors
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
CURRENT FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860

```

; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 57
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014A12 scfv
US-10-039-785-57

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Query Match      69.1%; Score 269.4; DB 4; Length 735;
Best Local Similarity 85.5%; Pred. No. 1.8e-70;
Matches 300; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

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```

QY 40 GGCACAGATCTGGGCTCAGTCTGCCCCGACTCAGCTCCCTCTGTGCTGGTCTCT 99
DB 385 GGGGCTGGCGGAAGTGCACAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 444
QY 100 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 159
DB 445 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 504
QY 160 GTCCTCTGTTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 219
DB 505 GTCTCTGTTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 564
QY 220 AAGCGGCTCTCAGGGTCTCTGATCGCTTCTCTGCTGCTGCTGCTGCTGCT 279
DB 565 AGCGGCTCTCAGGGTCTCTGATCGCTTCTCTGCTGCTGCTGCTGCTGCTGCT 624
QY 280 CTGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 339
DB 625 CTGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 684
QY 340 ACCAGTAGCACTTTGTTATTCGGAAGGAGCCCGTTGACCGTCTTAGT 390
DB 685 AGCACCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 735

```

```

RESULT 15
US-10-039-785-60
; Sequence 60, Application US/10039785
; Patent No. 6538938
; GENERAL INFORMATION:
; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: PF550
; CURRENT APPLICATION NUMBER: US/10/039,785
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/369,860
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14

```

```

; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014F08 scfv
US-10-039-785-60

```

```

Query Match      68.7%; Score 267.8; DB 4; Length 735;
Best Local Similarity 85.2%; Pred. No. 5.3e-70;
Matches 299; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

```

```

QY 40 GGCACAGATCTGGGCTCAGTCTGCCCCGACTCAGCTCCCTCTGTGCTGGTCTCT 99
DB 385 GGGGCTGGCGGAAGTGCACAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 444
QY 100 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 159
DB 445 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 504
QY 160 GTCCTCTGTTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 219
DB 505 GTCTCTGTTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 564
QY 220 AAGCGGCTCTCAGGGTCTCTGATCGCTTCTCTGCTGCTGCTGCTGCTGCT 279
DB 565 ATGCGGCTCTCAGGGTCTCTGATCGCTTCTCTGCTGCTGCTGCTGCTGCTGCT 624
QY 280 CTGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 339
DB 625 CTGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 684
QY 340 ACCAGTAGCACTTTGTTATTCGGAAGGAGCCCGTTGACCGTCTTAGT 390
DB 685 GGCAGCAACATTTGGTGTTCGCGGAGGAGCCCAAGCTGACCGTCTTAGT 735

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Search completed: August 23, 2004, 00:13:50
Job time : 86.2102 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 1218.09 Seconds

(Without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053a-1

Perfect score: 390
Sequence: 1 atggcctgactctctcct.....ccccgttcacgtctcctagct 390

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 3228839 seqs, 2456066551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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18: /cgnt2_6/prodata/2/pubpna/US60_NEW_PUBCOMB.seq:*
19: /cgnt2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	390	100.0	390	US-09-019-441-1	Sequence 1, Appl
2	390	100.0	390	US-10-103-686-1	Sequence 1, Appl
3	334	85.6	605	US-09-878-134-264	Sequence 264, App
4	327.6	84.0	1640	US-10-198-846-13206	Sequence 13206, A
5	326.6	83.7	1597	US-10-198-846-13540	Sequence 13540, A
6	324.4	83.2	408	US-09-918-995-16573	Sequence 16573, A
7	324.4	83.2	421	US-09-918-995-16692	Sequence 16692, A
8	322.4	82.7	1460	US-10-076-747-8	Sequence 8, Appl
9	313.2	80.3	726	US-10-225-1088-13	Sequence 13, Appl
10	313.2	80.3	726	US-10-461-148-12	Sequence 12, Appl
11	313.2	79.9	1597	US-10-198-846-13540	Sequence 13540, A
12	311.6	79.9	420	US-09-918-995-16500	Sequence 16500, A
13	307	78.7	387	US-10-399-518-104	Sequence 104, App
14	301.8	77.4	883	US-10-158-646-73	Sequence 73, Appl

15	300.6	77.1	2667	US-10-158-646-76	Sequence 76, Appl
16	295.2	75.7	548	US-09-884-441-267	Sequence 267, App
17	295.2	75.7	548	US-09-907-869-267	Sequence 267, App
18	295.2	75.7	548	US-09-887-271-267	Sequence 267, App
19	295.2	75.7	548	US-10-198-053-267	Sequence 267, App
20	292.4	75.0	2081	US-10-108-2604-2348	Sequence 2348, App
21	288	73.8	413	US-09-918-995-16139	Sequence 16139, A
22	286	73.3	1480	US-09-981-353-146	Sequence 146, App
23	285.4	73.2	735	US-10-039-785-59	Sequence 59, Appl
24	285.4	73.2	735	US-10-039-785-63	Sequence 63, Appl
25	285.4	73.2	735	US-10-039-785-64	Sequence 64, Appl
26	285.4	73.2	735	US-10-139-785-59	Sequence 59, Appl
27	285.4	73.2	735	US-10-139-785-63	Sequence 63, Appl
28	285.4	73.2	735	US-10-139-785-64	Sequence 64, Appl
29	284.8	73.0	5464	US-10-471-607-10	Sequence 10, Appl
30	284.8	73.0	6877	US-10-342-887-200	Sequence 200, App
31	284.6	73.0	331	US-10-471-607-13	Sequence 13, Appl
32	284.6	73.0	331	US-10-342-887-200	Sequence 200, App
33	284.4	72.9	726	US-10-151-882-4	Sequence 4, Appl
34	281.2	72.1	816	US-10-333-2354-47	Sequence 47, Appl
35	281.2	72.1	819	US-10-342-887-198	Sequence 198, App
36	281.2	72.1	819	US-10-172-118-198	Sequence 198, App
37	281.2	72.1	819	US-10-062-188-6	Sequence 6, Appl
38	279.6	71.7	435	US-09-918-995-16554	Sequence 16554, A
39	276.8	71.0	729	US-10-406-830-20	Sequence 20, Appl
40	276.8	71.0	792	US-10-389-518-110	Sequence 110, App
41	276.8	71.0	822	US-10-389-518-113	Sequence 113, App
42	275.8	70.7	330	US-10-359-518-96	Sequence 96, Appl
43	275.8	70.7	735	US-10-039-785-54	Sequence 54, Appl
44	275.8	70.7	735	US-10-139-785-54	Sequence 54, Appl
45	275	70.5	552	US-10-029-386-1351	Sequence 1351, App

ALIGNMENTS

RESULT 1
US-09-019-441-1
Sequence 1, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
KLOETZER, William S.
NAXAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021


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FILE REFERENCE: 210121.532
CURRENT APPLICATION NUMBER: US/09/878.134
CURRENT FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 377
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 264
LENGTH: 605
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(605)
OTHER INFORMATION: n = A,T,C or G
US-09-878-134-264
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Query Match      85.6%; Score 334; DB 13; Length 605;
Best Local Similarity 91.0%; Pred. No. 2.5e-101;
Matches 355; Conservative 0; Mismatches 35; Indels 0; Gaps 0;
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QY 1 ATGGCCCTGACCTGCTCCCTGTCACCCCTGCTCACTCAGGGGCAAGAGTCTGGGCTCAG 60
DB 33 ATGGCCCTGAGCTGTGCTATCTCACCCTCTCACTCAGGGGCAAGAGTCTGGGCTCAG 92
QY 61 TCTGCCCCGACTCAGCCCTCCCTCTGTGTCTGGTCTCTGAGACAGTCCGATCTCC 120
DB 93 TCTGCCCTGACTCAGCCCTCCCTCTGTGTCTGGTCTCTGAGACAGTCCGATCTCC 152
QY 121 TGCACCTGGAACCAAGCATGACGTTGGTGTATTAATCTGCTCCGTGACCAACAC 180
DB 153 TGCACCTGGAACCAAGCATGACGTTGGTGTATTAATCAATGTCCTCGGTACCAACAC 212
QY 181 CCAGGCAAAAGCCCCCAACTCATGATTATGATGATGCTAAGCGGGGCTCAGGGGCTCT 240
DB 213 CCAGGCAAAAGCCCCCAACTCATGATTATGATGATGCTAAGCGGGGCTCAGGGGCTCT 272
QY 241 GATGCTTCTCTGCTCTCAAGTCTGACACACGGGCTCCCTGACCATCTCTGGGCTCCAG 300
DB 273 AATGCTTCTCTGCTCTCAAGTCTGACACACGGGCTCCCTGACCATCTCTGGGCTCCAG 332
QY 301 GCTGAGAGAGAGGCTGATTAATGCTGTTATATACCAACGATGACCTTGTATATC 360
DB 333 GCTGAGAGAGAGGCTGATTAATGCTGTTATATACCAACGATGACCTTGTATATC 392
QY 361 GGAAGAGGAGCCCGGTTGACCGCTCTAGGT 390
DB 393 GCGGAGAGGAGCCCGGTTGACCGCTCTAGGT 422
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RESULT 4
US-10-198-846-13206/c
; Sequence 13206, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13206
; LENGTH: 1640
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-13206
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Query Match      84.0%; Score 327.6; DB 15; Length 1640;
Best Local Similarity 90.0%; Pred. No. 5e-99;
Matches 351; Conservative 0; Mismatches 39; Indels 0; Gaps 0;
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QY 1 ATGGCCCTGACCTGCTCCCTGTCACCCCTGCTCACTCAGGGGCAAGAGTCTGGGCTCAG 60
DB 1569 ATGGCCCTGAGCTGTGCTCTCTCAAGCCCTCTCACTCAGGGGCAAGAGTCTGGGCTCAG 1510
QY 61 TCTGCCCCGACTCAGCCCTCCCTCTGTGTCTGGGCTCTCTGAGACAGTCCGATCTCC 120
DB 1509 TCTGCCCTGACTCAGCCCTCCCTCAAGTGTCCGGGCTCTCTGAGACAGTCCGATCTCC 1450
QY 121 TGCACCTGGAACCAAGCATGACGTTGGTGTATTAATCTGCTCCGTGACCAACAC 180
DB 1449 TGCACCTGGAACCAAGCATGACGTTGGTGTATTAATCTGCTCCGTGACCAACAC 1390
QY 181 CCAGGCAAAAGCCCCCAACTCATGATTATGATGCTAAGCGGGGCTCAGGGGCTCTCT 240
DB 1389 CCAGGCAAAAGCCCCCAACTCATGATTATGATGCTAAGCGGGGCTCAGGGGCTCTCT 1330
QY 241 GATGCTTCTCTGCTCTCAAGTCTGACACACGGGCTCCCTGACCATCTCTGGGCTCCAG 300
DB 1329 AATGCTTCTCTGCTCTCAAGTCTGACACACGGGCTCCCTGACCATCTCTGGGCTCCAG 1270
QY 301 GCTGAGAGAGAGGCTGATTAATGCTGTTATATACCAACAGAGGACTTGTATATC 360
DB 1269 GCTGAGAGAGAGGCTGATTAATGCTGTTATATACCAACAGAGGACTTGTATATC 1210
QY 361 GGAAGAGGAGCCCGGTTGACCGCTCTAGGT 390
DB 1209 GCGGAGAGGAGCCCGGTTGACCGCTCTAGGT 1180
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RESULT 5
US-10-198-846-13540/c
; Sequence 13540, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13540
; LENGTH: 1597
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-13540
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Query Match      83.7%; Score 326.6; DB 15; Length 1597;
Best Local Similarity 90.0%; Pred. No. 1.1e-98;
Matches 350; Conservative 0; Mismatches 39; Indels 0; Gaps 0;
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QY 2 TGGCTGAGACTGTGCTCTGTCACCCCTGCTCACTCAGGGGCAAGAGTCTGGGCTCAGT 61
DB 1529 TGGCTGAGACTGTGCTCTGTCACCCCTGCTCACTCAGGGGCAAGAGTCTGGGCTCAGT 1470
QY 62 CTGCCCCGACTCAGCCCTCCCTGTGTCTGGGCTCTCTGAGACAGTCCGATCTCC 121
DB 1469 CTGCCCCGACTCAGCCCTCCCTGTGTCTGGGCTCTCTGAGACAGTCCGATCTCC 1410
QY 122 GCATGGAACCAAGCATGACGTTGGTGTATTAATGCTCTCTGATCAACACAC 181
DB 1409 GCATGGAACCAAGCATGACGTTGGTGTATTAATGCTCTCTGATCAACACAC 1350
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? PRIOR FILING DATE: 2001-02-15
? NUMBER OF SEQ ID NOS: 129
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 8
? LENGTH: 1460
? TYPE: DNA
? ORGANISM: Homo sapien
? FEATURE:
? NAME/KEY: misc feature
? LOCATION: (102)..(1022)
? OTHER INFORMATION: a, c, g or t
US-10-076-747-8

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Best Local Similarity	89.4%;	Pred. No. 2.7e-97;		
Matches 347; Conservative	0;	Mismatches 41;	Indels 0;	Gaps 0

QY	3	GGGCTGGAATCTGCTCTGTCAGCTCACCCTCTCACTAGAGGCAACAGATCTGGGCTCAGTC	62
Db	1	GGGCTGGGCTCTGCTATTTCTCTACCTCTCTCACTCAGGAGCAACAGGCTCTGGGCCAATC	60
QY	63	TGCCCCAGTCAAGCTCCCTCTGTATCTGGGCTCTCTGGACAGTCGGGTCAACATCTCTG	122
Db	61	TGCGCTGACTCAAGTCTGCTCCGCTGTCTGGGCTCTCTGGAACATCGATTCACATCTCTG	120
QY	123	CATGGAAACCAAGCAGATGAGTGTGGTGGTTATPACTATATGTCTCTGGTATCCAAACACACC	182
Db	121	CATGGAAACCAAGCAGATGAGTGGTGGTTATPACTATATCTCTCTGGTATCCAAACACACACC	180
QY	183	AGGCAAAAGCCCCCAATCATGATTTATGATGTGCTGAAGGGGCTCAGGGGTCTGTGA	242
Db	181	AGGCAAAAGCCCCCAATCATATTTATGAGTCACTATGCGCCCTCAGGGGTTTCTTA	240
QY	243	TGCGTCTCTGTGCTCCAGTCTGGACAACCGGCTCCCTGTACATCTCTGGGCTCAAGC	302
Db	241	TGCGTCTCTGTGCTCCAGTCTTGGACAACCGGCTCCCTGTACATCTCTGGGCTCCAGGC	300
QY	303	TGAGGACAGGCTGATTTACTGTTGTTCAATATCAAACGATGACACTTTGTTATTCGG	362
Db	301	TGAGGACAGGCTGATTTACTGCTGTCAATATCAAGAAGTACTTCTCATGTCTCGG	360
QY	363	AAAGAGAACCCGGTTGACCGTCTTGAAGT	390
Db	361	AACGTGAGAACAGTCAACCGTCTTGAAGT	388

RESULT 9

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Sequence 13: Application US/10225108A
Publication No. US20030157112A1
GENERAL INFORMATION:
APPLICANT: HOOVER, Craig
APPLICANT: DIETZSCHOLD, Bernhard
TITLE OF INVENTION: Recombinant Antibodies, and Compositions
TITLE OF INVENTION: and Methods for Making Them
FILE REFERENCE: 8321-110
CURRENT APPLICATION NUMBER: US/10/225,108A
CURRENT FILING DATE: 2003-04-10
PRIOR APPLICATION NUMBER: US 09/848,832
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: US 60/204,518
PRIOR FILING DATE: 2001-05-16
PRIOR APPLICATION NUMBER: US 60/314,023
PRIOR FILING DATE: 2001-08-21
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13
LENGTH: 726
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-108A-13

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Query Match 80.3%; Score 313.2; DB 15; Length 726;

Best Local Similarity - 88.9%; Pred. No. 2.5e-94;
Matches 352; Conservative 0; Mismatches 38; Indels 6; Gaps 1;

QY ATGGCTGGAGCTCTGCTCTCGTCAACCCCTCTCACTCAGAGGCAAGAGATCTTGAGCTCAG 60
Db ATGGCTGGAGCTCTGCTCTCGTCAACCCCTCTCACTCAGAGGCAAGAGATCTTGAGCTCAG 75
QY TCTGCCCCGACATCAGGCTCCCTCTGTCTGTGGGCTCTCTCGACAGTGCCTGACCATCTCC 120
Db TCTGCCCTGACATCAGGCTCCCTGCTCACTGTGTCGGAGTCTCTGGAACAGTCAACCATCTCC 135
QY TGTACCTGGAAACGAGCGATAGCGTGTGGTGGTTATACATATGCTTCCTTGGTACCAACACAC 180
Db TGTACTCTGGAAACGAGCGATATATGGTGGTTATTAACCTTGTCTCTGGTACCAACACAC 195
QY CCAAGGCAAAAGCCCCCAAACTCATGATTTATATGTCGGTAAAGGGGCTCAGAGGATCTCT 240
Db CCAAGGCAAAAGCCCCCAAACTCATGATTTATATGTCACATAAAGGCGCCCTCAGAGGATCTCT 255
QY GATCGCTTCTCTGGCTCCAAGTCTGGCAACAGGCGCTCCCTGACCATCTCTGGGCTTCAG 300
Db GATCGCTTCTCTGGCTCCAAGTCTGGCAACAGGCGCTCCCTGACCATCTCTGGGCTTCAG 315
QY GCTGAGAGCAAGGCTATATTATTACTGTTGTTCAATATACACCAAGTAGAC-----TTTG 354
Db GCTGAGAGTATAGGCTATATTATTACTGCTGCTCATATATGACGACGACTACACCCCGGCGGTG 375
QY TTATTTGGAAAGAGGAGCCCGGTGACCGGCTCAGGT 390
Db GTTTTGGCGAGAGGACCAAGCTGACCGGCTCAGGT 411

RESULT 10

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US-10-461-148-12
; Sequence 12, Application US/10461148
; Publication No. US20040013672A1
GENERAL INFORMATION:
APPLICANT: Dietzschold, Bernhard
APPLICANT: Hooper, Douglas C.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES AND COMPOSITIONS
TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THE SAME
FILE REFERENCE: 8321-110C11-185685
CURRENT APPLICATION NUMBER: US/10/461,148
CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: US 10/225,108
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/314,023
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/848,832
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: US 60/204,518
PRIOR FILING DATE: 2000-05-16
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 729
; TYPE: DNA
ORGANISM: Human
US-10-461-148-12

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Query Match	80.3%;	Score 313.2;	DB 16;	Length 729;
Best Local Similarity	68.9%;	Pred. No. 2.5e-94;		
Matches 352;	Conservative	0;	Mismatches 38;	Indels 6;
				Gaps 1

QY 1 ATGGCCCTGACCTGTGTCCTCTGCGACACCCCTCCATCAGGGGCAAGAGTCTGGGGCTAG 60
Db 16 ATGGCCCTGGGACTGTGTCCTCTCTCTCAAGCCCTCCATCAGGGGCAAGAGTCTGGGGCTAG 75
QY 61 TCTGCCCCAGCATAGCCTCCCTCTGTGTCTGGGTCTCTGGACAGTGGGTACACATCTCC 120
Db 76 TCTGCCCTGACTAGCCTCGCTGAGTCTGGGCTCTCTGGACAGTCAAGTACCATCTCC 135
QY 121 TGCACTGGAACGACGATAGACGTTGGTGGTTAACTAATGTCTCTGGTACCAACACAC 180


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Db      2515  TGAAGTGAACCAAGCAAGTGAAGTTGGTTATTAATGTCCTCTGATCAACACAC 2456
QY      181   CAGGCAAGCCCCCAAACTCATGATTTATGATGTCCTAAGCGGCTCAGGGTCTCT 240
Db      2455  CAGGCAAGCCCCCAAACTCATGATTTATGAGTCAAGTGGCCCTCAGGGTTTCT 2396
QY      241   GATGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 299
Db      2395  AATGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2336
QY      300   GAGTGAAGCAAGGCTGATTTATGATTTATGATTTATGATTTATGATTTATGATTT 359
Db      2335  GTCTGACGATGAGGCTGATTTATGATTTATGATTTATGATTTATGATTTATGATTT 2276
QY      360   CGGAAAGGGAACCGGTTGACCGTCTAGGT 390
Db      2275  TGGCGAGGAGCAAGTTGACCGTCTAGGT 2245

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Search completed: August 23, 2004, 09:17:26
 Job time : 1222.09 secs